



ScyTek
LABORATORIES

Our Commitment to the Customer

We at ScyTek Laboratories, Inc. have committed ourselves to producing only the highest quality products for the laboratory market. Since the company was founded in 1991, ScyTek has continued to grow at a rapid rate as a result of our commitment to continuous improvement of each and every product line. In addition, aggressive pricing through vigilant cost containment and continuous improvements in efficiency combined with our commitment to quality have helped to foster strong customer bonds. While the majority of our business consists of producing custom reagents for the resale/OEM market, we still insist on providing only the highest quality service for those customers that use the product in their own laboratories.

Being a primary manufacturer allows ScyTek to continually identify areas that can be improved through the implementation of Kaizen and other manufacturing management techniques. Being a primary manufacturer also allows the customer to have maximum flexibility in the products specifications making ScyTek an ideal manufacturing partner. ScyTek has the ability to produce and vial products in various environmental conditions up to Class 1000. For our OEM customers, we have the capability of producing most any liquid or dry blend for the laboratory and can customize packaging to meet nearly any requirement. Whether the product is an off-the-shelf item, or one made specifically to meet the customer's needs, we are committed to delivering the product when expected and matching the anticipated specifications.

As the President of ScyTek Laboratories, Inc., I encourage you to contact me directly with any questions or comments regarding the performance of our company or our products.

Thank you, and we look forward to hearing from each and every customer in the following year.

Sincerely,

R. Michael Anderson
President/CEO

Ordering Information

Orders may be placed by telephone, telefax, e-mail, online or standard mail.

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Terms: Terms of payment are “net 30 days” from invoice date, FOB shipping point. Accounts with balance unpaid beyond terms of “net 30 days” are subject to a service charge of one and one-half percent (1.5%) per month on the unpaid balance.

Prices: Many of the resale items in this catalog are available at prices significantly lower than found with other vendors. ScyTek’s deep discount policy requires that pricing be subject to change without notice. No minimum order is required for shipments within the United States. Shipments outside of the United States can be no less than \$100.00.

Discounts: Bulk discounts are available on almost any product in this catalog.

Guarantee: ScyTek Laboratories, Inc. guarantees that products conform to labeled description or they will be replaced or refunded. Product liability is limited to refunds or replacements for the value of the product. Prior authorization is required for all returns or refunds.

Liability: Many products in this catalog consist of hazardous materials. It is entirely the users responsibility to assure safe handling and usage.

The products in this catalog are for laboratory use only and are not to be used for therapeutic purposes or in any pharmaceutical products. ScyTek Laboratories, Inc. does not in any way, recommend use of these products in violation of any patent or license. It is the responsibility of the user to determine the existence of such patents or licenses.

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Enzyme Immunoassay

Diluents and Stabilizers

Ancillary (ELISA)

BRIJ 35 Solution (25-30%)

BRIJ 35 Solution is a nonionic polyoxyethylene surfactant used in a variety of protein methods. The reagent is an aqueous base containing 25-30% w/v proteomics grade BRIJ 35 making it optimal for use as a wetting agent in immunohistochemical reagents.

Catalog Number	Volume	Price
BRJ500	500 ml	\$67.85
BRJ999	1000 ml	\$108.10

Tween 20

Polyoxyethylenesorbitan Monolaurate - Tween 20.

Catalog Number	Volume	Price
TWN500	500 ml	\$33.35
TWN999	1000 ml	\$54.05

Water, Deionized/Distilled

Water for use in laboratory procedures has been deionized, distilled and filtered at 0.2 micrometer for critical assays.

Catalog Number	Volume	Price
DDH999	1000 ml	\$23.00
DDH3800	1 Gal.	\$57.50
DDH-20000	20 L	\$74.75

ELISA Kits

Easy ELISA HRP Kit

Complete "Do it Yourself" ELISA system. The first ELISA system designed to deliver superior results to each and every research project, regardless of the level of technician expertise. Everything that is required to obtain outstanding results is included in one convenient package. Easy ELISA has been specifically developed to create an environment in which the researcher can be assured of consistent results with each project. All of the reagents contained in Easy ELISA are stable enough to ship at ambient temperature.

Contents:

Super Block	125 ml
HRP Stabilizing Diluent	125 ml
Binding Buffer	125 ml
Coating Stabilizer	125 ml
TMB Soluble Reagent	125 ml
TMB Stop Buffer	125 ml
Sample Diluent	125 ml
Wash Buffer (10X PBS)	500 ml

Catalog Number	Volume	Price
EEH-1	1 kit(s)	\$239.20

Alk-Phos Stabilizing Diluent

This reagent is formulated specifically for Alkaline Phosphatase conjugates. The product insures consistently high levels of activity for both the enzyme and the antibody following long-term storage at final dilution. This product has been chemically engineered to increase conjugate stability providing the customer a longer shelf life, resistance to various shipping conditions and storage temperatures. Alk-Phos Stabilizing Diluent is filtered at 0.2 um and reinforced with a non-mercury or azide-free preservative. Inquire about custom vialing, labeling, kit assembly and drop shipping.

Catalog Number	Volume	Price
APD500	500 ml	\$78.20
APD999	1000 ml	\$127.65

Coating Stabilizer

Coating Stabilizer has been developed specifically for the stabilization of adsorbed or immobilized proteins on microwell plates/strips. Coating Stabilizer maintains the conformation and activity of the antibody or protein antigen portion of the dried immunoassay components. Product is filtered at 0.2 microns.

Contents: Aqueous, protein-containing stabilizer and blocking solution in phosphate buffer for dried protein components in immunoassays.

Preservative: 0.02% Bromonitrodioxane, 0.02% 2-Methyl-4-isothiazolin-3-one.

pH 7.2 - 7.7

Catalog Number	Volume	Price
CSB125	125 ml	\$40.25
CSB500	500 ml	\$87.40
CSB999	1000 ml	\$135.70

ELISA Sample Diluent

This reagent is formulated for use as a sample diluent to ensure that the analyte is measured accurately. It is used to dilute the sample within the assay target range.

Catalog Number	Volume	Price
ESD125	125 ml	\$40.25
ESD500	500 ml	\$87.40
ESD999	1000 ml	\$135.70

Enzyme Label Diluent

Provided as a ready-to-use diluent for enzyme labeled antibodies and streptavidin/avidin enzyme conjugates. Diluted reagents can be stored at 2-8 deg. C for up to 18 months at immunohistochemical dilutions. This reagent is subjected to 0.2 micron filtration.

Catalog Number	Volume	Price
ABI500	500 ml	\$71.30
ABI999	1000 ml	\$106.95

HRP Stabilizing Diluent (MOPS Buffered)

HRP Stabilizing Diluent (MOPS Buffered) has been developed specifically for the stabilization of Horseradish Peroxidase conjugates in solution. HRP Stabilizer prevents the loss of catalytic activity and maintains the conformation of the antibody or protein antigen portion of the conjugate. Product is filtered at 0.2 microns.

Contents: Aqueous, protein-containing diluent and stabilizer for Horseradish Peroxidase conjugates.

Preservative: 0.02% Bromonitrodioxane, 0.02% 2-Methyl-4-isothiazolin-3-one, 0.005% Proclin 300 (Proclin is a registered trademark of Rohm & Haas Company), and 0.0008% Neomycin.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
HSM125	125 ml	\$43.70
HSM500	500 ml	\$87.40
HSM999	1000 ml	\$135.70

HRP Stabilizing Diluent (Phosphate Buffered)

This product has been developed to significantly increase the shelf life of diluted peroxidase labeled proteins. Stability is increased at room temperature storage conditions in addition to 2-8 centigrade. This product is subjected to 0.45 micron filtration, and contains no mercury or azide. This formulation insures consistently high levels of activity for both the enzyme and the antibody following long-term storage at final-use dilution. HRP Stabilizer greatly improves the signal to noise ratios which increases the immunoassay sensitivity and offers cleaner assays. This product has been chemically engineered to increase conjugate stability providing the customer a longer shelf life, resistance to various shipping conditions & storage temperatures and improved day to day assay precision.

This product is recommended to be used in conjunction with ScyTek's proprietary Coating Stabilizer, Blocking Buffer (Super Block), Washing solution, TMB and Stopping Solution. All of the ELISA products are available in bulk quantities, including custom lot sizes up to 5000 liters. ScyTek Laboratories, Inc. specializes in custom manufacturing, vialing, labeling and packaging. Call today for a quote 800-729-8350.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
HSB500	500 ml	\$87.40
HSB999	1000 ml	\$135.70

HRP Stabilizing Diluent (Phosphate Buffered) without BSA

This product has been developed to significantly increase the shelf life of diluted peroxidase labeled proteins. Stability is increased at room temperature storage conditions in addition to 2-8 centigrade. This product is subjected to 0.2 micron filtration, and contains no mercury or azide. This formulation insures consistently high levels of activity for both the enzyme and the antibody following long-term storage at final-use dilution. HRP Stabilizer greatly improves the signal to noise ratios which increases the immunoassay sensitivity and offers cleaner assays. This product has been chemically engineered to increase conjugate stability providing the customer a longer shelf life, resistance to various shipping conditions & storage temperatures and improved day to day assay precision.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
HAB999	1000 ml	\$135.70

Normal Antibody Diluent (Phosphate Buffered)

Provided as a ready-to-use diluent for primary antibodies and link/secondary antibodies. In most cases, antibodies diluted in this reagent can be stored at 4-8 deg. C for up to 18 months. Diluent is subjected to 0.2 micron filtration.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
ABB125	125 ml	\$36.80
ABB500	500 ml	\$71.30
ABB999	1000 ml	\$106.95

Normal Antibody Diluent (Phosphate Buffered) without BSA

Provided as a ready-to-use diluent for primary antibodies and link/secondary antibodies. Diluent is subjected to 0.2 micron filtration. For longterm storage of diluted antibodies, a carrier protein should be added.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
ABD999	1000 ml	\$87.40

Normal Antibody Diluent (Tris Buffered)

Provided as a ready-to-use diluent for primary antibodies and link/secondary antibodies. In most cases, antibodies diluted in this reagent can be stored at 4-8 deg. C for up to 18 months. Diluent is subjected to 0.2 micron filtration.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
ADT125	125 ml	\$36.80
ADT500	500 ml	\$71.30
ADT999	1000 ml	\$106.95

Blocking Reagents (ELISA)**Coating Stabilizer**

Coating Stabilizer has been developed specifically for the stabilization of adsorbed or immobilized proteins on microwell plates/strips. Coating Stabilizer maintains the conformation and activity of the antibody or protein antigen portion of the dried immunoassay components. Product is filtered at 0.2 microns.

Contents: Aqueous, protein-containing stabilizer and blocking solution in phosphate buffer for dried protein components in immunoassays.

Preservative: 0.02% Bromonitrodioxane, 0.02% 2-Methyl-4-isothiazolin-3-one.

pH 7.2 - 7.7

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
CSB125	125 ml	\$40.25
CSB500	500 ml	\$87.40
CSB999	1000 ml	\$135.70

EZ Block

EZ Block has been developed to use with immunolabeling techniques for the reduction of nonspecific background staining, and simultaneously reducing the handling of animal serums in the laboratory. The need to match species with the secondary antibody is eliminated due to the lack of normal serum in this product. EZ Block has been shown to be effective for immunohistochemical, ELISA, blot and In-situ techniques and requires no mixing or diluting.

Catalog Number	Volume	Price
EZB125	125 ml	\$52.90
EZB500	500 ml	\$93.15
EZB999	1000 ml	\$146.05

Pro-Block

Is a unique serum-free protein block for immunochemistry. Pro-Block eliminates the need for matching species with the link antibody and is often, more effective at reducing non-specific background staining than normal serum.

Pro-Block is similar to Super Block, but without casein. The reagent is filtered at 0.2 microns.

Catalog Number	Volume	Price
PBK125	125 ml	\$36.80
PBK500	500 ml	\$71.30
PBK999	1000 ml	\$106.95
PBK010	10 L	\$748.65
PBK-20000	20 L	\$1,390.35

Super Block

Is a unique serum-free protein block for immunochemistry. Super Block eliminates the need for matching species with the link antibody and is often, more effective at reducing non-specific background staining than normal serum. This product is currently being used in a variety of applications including, Immunohistochemistry, ELISA plate blocking, and blotting. For OEM customers, this product can be modified to meet individual assay needs. Inquire about custom vialing, labeling, kit assembly and drop shipping.

Catalog Number	Volume	Price
AAA125	125 ml	\$40.25
AAA500	500 ml	\$79.35
AAA999	1000 ml	\$113.85

Chromogens (ELISA)**Soluble****ABTS Soluble Reagent (Aqueous)**

ABTS Soluble Reagent (Aqueous), 2,2'-Azinodi(3-Ethyl Benzthiazoline Sulfonic Acid) is a commonly used chromogen for the detection of Horseradish peroxidase in enzyme immunoassays (ELISA). This single component, produces a soluble blue-green reaction product that is measured at 405 nm. This product requires no mixing prior to use, and has a shelf life of 18 months when stored at 4 - 8 deg. Centigrade.

Catalog Number	Volume	Price
ABT125	125 ml	\$71.30
ABT500	500 ml	\$120.75
ABT999	1000 ml	\$197.80

TMB Soluble Reagent (High Sensitivity)

TMB - This high sensitivity liquid substrate for peroxidase consists of Tetramethylbenzidine (TMB) plus dilute hydrogen peroxide in a single-reagent stabilized form. The reagent has been specifically formulated for measuring peroxidase in ELISA systems which is stable for long-term storage providing sensitivity greater than OPD. This reagent is available as a single component, ready-to-use reagent. When used in conjunction with our proprietary TMB Stop Buffer (TSB), the resulting color product will not fade or darken for several hours. Our TMB products have been in production for over twenty years and have built a reputation for robust performance, unparalleled stability and next to zero lot-to-lot variation. Each TMB formulation can be specifically engineered to meet the needs of your specific assay. Inquire about custom vialing, labeling, kit assembly and drop shipping.

Catalog Number	Volume	Price
TM4125	125 ml	\$65.55
TM4500	500 ml	\$106.95
TM4999	1000 ml	\$163.30
TM4010	10 L	\$1,449.00

TMB Soluble Reagent (Standard Sensitivity)

TMB - This standard sensitivity liquid substrate for peroxidase consists of Tetramethylbenzidine (TMB) plus dilute hydrogen peroxide in a single-reagent stabilized form. The reagent has been specifically formulated for measuring peroxidase in ELISA systems which is stable for long-term storage providing sensitivity greater than OPD. This reagent is available as a single component, ready-to-use reagent. When used in conjunction with our proprietary TMB Stop Buffer (TSB), the resulting color product will not fade or darken for several hours. Our TMB products have been in production for over twenty years and have built a reputation for robust performance, unparalleled stability and next to zero lot-to-lot variation. Each TMB formulation can be specifically engineered to meet the needs of your specific assay. Inquire about custom vialing, labeling, kit assembly and drop shipping.

Catalog Number	Volume	Price
TM1125	125 ml	\$56.35
TM1500	500 ml	\$98.90
TM1999	1000 ml	\$156.40

TMB Stop Buffer

ScyTek's Stop Buffer (TSB) offers a unique combination of acid that produces a more stable stopped reaction product than other formulations of H₂SO₄ or HCL. Stopped reactions show increased absorbance values of approximately two-fold over unstopped reactions with minimal drift for up to six hours depending on various conditions. This reagent can be customized to meet each customers specific needs. Inquire about custom vialing, labeling, kit assembly and drop shipping.

Catalog Number	Volume	Price
TSB125	125 ml	\$23.00
TSB500	500 ml	\$28.75
TSB999	1000 ml	\$43.70

Precipitating

AEC Chromogen/Substrate Bulk Kit

3-Amino-9-Ethylcarbazole (AEC) is a widely used chromogen for immunohistochemical staining and immunoblotting. When in the presence of peroxidase enzyme, AEC produces a vivid red end product that is soluble in alcohol and must be used with an aqueous counterstain and mounting media. This product is available in a two component form consisting of a liquid, refrigerator stable AEC Chromogen and AEC Substrate. Each component is individually stable for 18 months from the date of manufacture.

Catalog Number	Volume	Price
ACJ500	515 ml	\$120.75
ACJ999	1030 ml	\$175.95

Alk-Phos Blue Kit

Alk-Phos Blue is a chromogen for immunohistochemical staining and immunoblotting. When in the presence of alkaline phosphatase enzyme, Alk-Phos Blue produces a bright blue precipitate that may be permanently mounted with minimal loss of intensity.

Catalog Number	Volume	Price
APB-60	64 ml	\$98.90

BCIP/INT Solution

5-Bromo-4-Chloro-3-IndolylPhosphate/p-Iodonitrotetrazolium (BCIP/INT) Solution

Is a chromogen used in immunohistochemical and in-situ staining. This reagent is available as a single component, ready-to-use reagent. When in the presence of the Alkaline-Phosphatase enzyme, BCIP/INT produces a brown precipitate that is soluble in alcohol.

Catalog Number	Volume	Price
ACL125	125 ml	\$71.30
ACL500	500 ml	\$212.75
ACL999	1000 ml	\$354.20

BCIP/NBT Solution

5-Bromo-4-Chloro-3-Indolyl Phosphate/nitroblue Tetrazolium (BCIP/NBT) Solution

Is a widely used chromogen for immunohistochemical and in-situ staining. This reagent is available as a single component, ready-to-use reagent. When in the presence of the Alkaline-Phosphatase enzyme, BCIP/NBT produces a purple precipitate that is soluble in alcohol.

Catalog Number	Volume	Price
ACN125	125 ml	\$71.30
ACN500	500 ml	\$212.75
ACN999	1000 ml	\$354.20

DAB Chromogen/Substrate Bulk pack

3,3'-Diaminobenzidine (DAB) Ready-to-Use

Is a widely used chromogen for immunohistochemical staining and immunoblotting. When in the presence of the peroxidase enzyme, DAB produces a brown precipitate that is insoluble in alcohol. Stained slides may be mounted in any commercially available permanent mounting media. This product is available in a convenient two component form.

Catalog Number	Volume	Price
ACK500	530 ml	\$120.75
ACK999	1060 ml	\$175.95

DAB Chromogen/Substrate Bulk Pack (High Contrast)

This product has been developed for applications that require high contrast between the chromogen and Hematoxylin counterstain. The resulting stain is a darker brown than standard DAB and somewhat more sensitive. 3,3'Diaminobenzidine (DAB) is a widely used chromogen for immunohistochemical staining and immunoblotting. When in the presence of peroxidase enzyme, DAB produces a brown precipitate that is insoluble in alcohol. This product is available in a two component form consisting of a liquid, refrigerator stable DAB Chromogen and DAB Substrate (High Contrast). The use of liquid components reduces some risks associated with handling powders (ie. dust inhalation), and eliminates waste which often results from using tablets that require a predetermined final volume.

Catalog Number	Volume	Price
ACV500	530 ml	\$198.95
ACV999	1060 ml	\$332.35

Fast-Red Substrate Pack

Is a widely used chromogen for immunohistochemical staining and immunoblotting. When in the presence of the Alkaline-Phosphatase enzyme, Fast-Red produces a bright red precipitate that is soluble in alcohol and must be used with an aqueous mounting media (AMT030). For convenience, Fast-Red is available in a convenient pack or in economical larger volumes (1 tablet dissolved in 5ml of buffer).

Substrate Pack: 11 Fast-Red Tablets
55ml Naphthol Phosphate Buffer (5 x 11)

Catalog Number	Volume	Price
FR0001	1 kit(s)	\$106.95

New Fuchsin Kit

This is a chromogen for immunohistochemical staining and immunoblotting. When in the presence of alkaline phosphatase enzyme, New Fuchsin produces an intense red/fuchsia precipitate that may be permanently mounted.

Pack Includes:

64 ml 60ml Buffer
2ml New Fuchsin Concentrate
2ml Activator

430 ml 400ml Buffer
15ml New Fuchsin
15ml Activator

4,250 ml 4,000ml Buffer
125ml New Fuchsin
125ml Activator

Catalog Number	Volume	Price
NF0001	64 ml	\$98.90
NF0002	430 ml	\$282.90

TMB Precipitating (High Sensitivity)

This liquid substrate for peroxidase consists of tetramethylbenzidine (TMB) plus dilute hydrogen peroxide in a single-reagent stabilized form. The reagent has been specifically formulated for measuring peroxidase in EIA systems. This reagent is stable for long-term storage, and provides sensitivity equal to, or greater than, that of other commercially available chromogens.

Catalog Number	Volume	Price
TM5125	125 ml	\$43.70
TM5500	500 ml	\$106.95
TM5999	1000 ml	\$190.90

TMB Precipitating (Standard Sensitivity)

This liquid substrate for peroxidase consists of tetramethylbenzidine (TMB) plus dilute hydrogen peroxide in a single-reagent stabilized form. The reagent has been specifically formulated for measuring peroxidase in EIA systems. This reagent is stable for long-term storage, and provides sensitivity equal to, or greater than, that of other commercially available chromogens.

Catalog Number	Volume	Price
TM3125	125 ml	\$36.80
TM3500	500 ml	\$98.90
TM3999	1000 ml	\$175.95

TMB Precipitating Reagent (For Membranes)

This liquid substrate for peroxidase consists of tetramethylbenzidine (TMB) plus dilute hydrogen peroxide in a single-reagent stabilized form. The reagent has been specifically formulated for measuring peroxidase on membranes and other surfaces. When reacted with peroxidase, the result is an insoluble blue reaction product. This reagent is not designed for use in microwell applications.

Catalog Number	Volume	Price
TMP125	125 ml	\$36.80
TMP500	500 ml	\$98.90
TMP999	1000 ml	\$175.95

Buffers**ELISA Binding Buffer**

Formulated to maximize the adsorption efficiency of antibodies and antigens onto polystyrene plate surfaces. This reagent is ready-to-use and requires no modification prior to use.

Catalog Number	Volume	Price
EBB125	125 ml	\$17.25
EBB500	500 ml	\$41.40
EBB999	1000 ml	\$65.55

Phosphate Buffered Saline (10x) pH 7.4

ScyTek Phosphate Buffered Saline (10x) pH 7.4 is an optimal formulation of pH stabilizers and salts designed to effectively remove excess material from the microtiter plate wells without disrupting the ELISA binding reaction. By maintaining the proper buffering environment, unbound components can be washed away without suppressing antigen-antibody binding interactions, thereby reducing nonspecific background and increasing the specific signal. Our Wash buffers do not contain hazardous preservatives such as Azide or Mercury that may interfere with antibody-antigen binding interactions. For your convenience wash buffer is offered in a wide variety of formulations to meet the needs of your specific ELISA application. This product can be customized to meet the specific needs of your assay. Inquire about custom vialing, labeling, kit assembly and drop shipping.

Catalog Number	Volume	Price
PBD500	500 ml	\$28.75
PBD999	1000 ml	\$43.70
PBD010	10 L	\$212.75
PBD-20000	20 L	\$395.60

Phosphate Buffered Saline (25x) pH 7.6

ScyTek Phosphate Buffered Saline (25x) pH of 7.6 is an optimal formulation of pH stabilizers and salts designed to effectively remove excess material from the microtiter plate wells without disrupting the ELISA binding reaction. By maintaining the proper buffering environment, unbound components can be washed away without suppressing antigen-antibody binding interactions, thereby reducing nonspecific background and increasing the specific signal. Our Wash buffers do not contain hazardous preservatives such as Azide or Mercury that may interfere with antibody-antigen binding interactions. For your convenience wash buffer is offered in a wide variety of formulations to meet the needs of your specific ELISA application. This product can be customized to meet the specific needs of your assay. Inquire about custom vialing, labeling, kit assembly and drop shipping.

Catalog Number	Volume	Price
PBS125	125 ml	\$18.40
PBS500	500 ml	\$36.80
PBS999	1000 ml	\$56.35
PBS010	10 L	\$282.90
PBS-20000	20 L	\$508.30

Phosphate Buffered Saline plus Tween 20 (10x) pH 7.4

ScyTek Phosphate Buffered Saline + Tween 20 (10x) pH of 7.4 is an optimal formulation of pH stabilizers, salts and detergents designed to effectively remove excess material from the microtiter plate wells without disrupting the ELISA binding reaction. By maintaining the proper buffering environment, unbound components can be washed away without suppressing antigen-antibody binding interactions, thereby reducing nonspecific background and increasing the specific signal. Our Wash buffers do not contain hazardous preservatives such as Azide or Mercury that may interfere with antibody-antigen binding interactions. For your convenience wash buffer is offered in a wide variety of formulations to meet the needs of your specific ELISA application. This product can be customized to meet the specific needs of your assay. Inquire about custom vialing, labeling, kit assembly and drop shipping.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
PBE500	500 ml	\$28.75
PBE999	1000 ml	\$43.70
PBE010	10 L	\$212.75
PBE-20000	20 L	\$524.40

Phosphate Buffered Saline plus Tween 20 (20x) pH 7.6

ScyTek Wash buffer formulations are an optimal formulation of pH stabilizers, salts and detergents designed to effectively remove excess material from the microtiter plate wells without disrupting the ELISA binding reaction. By maintaining the proper buffering environment, unbound components can be washed away without suppressing antigen-antibody binding interactions, thereby reducing nonspecific background and increasing the specific signal. Our Wash buffers do not contain hazardous preservatives such as Azide or Mercury that may interfere with antibody-antigen binding interactions. For your convenience wash buffer is offered in a wide variety of formulations to meet the needs of your specific ELISA application. This product can be customized to meet the specific needs of your assay. Inquire about custom vialing, labeling, kit assembly and drop shipping.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
PBT500	500 ml	\$36.80
PBT999	1000 ml	\$56.35
PBT010	10 L	\$282.90
PBT-20000	20 L	\$508.30

Tris Buffered Saline (10x) pH 7.5

ScyTek Tris Buffered Saline (10x) pH of 7.5 is an optimal formulation of pH stabilizers, salts and detergents designed to effectively remove excess material from the microtiter plate wells without disrupting the ELISA binding reaction. By maintaining the proper buffering environment, unbound components can be washed away without suppressing antigen-antibody binding interactions, thereby reducing nonspecific background and increasing the specific signal. Our Wash buffers do not contain hazardous preservatives such as Azide or Mercury that may interfere with antibody-antigen binding interactions. For your convenience wash buffer is offered in a wide variety of formulations to meet the needs of your specific ELISA application. This product can be customized to meet the specific needs of your assay. Inquire about custom vialing, labeling, kit assembly and drop shipping.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
TBD500	500 ml	\$36.80
TBD999	1000 ml	\$56.35
TBD010	10 L	\$282.90
TBD-20000	20 L	\$676.20

Tris Buffered Saline (25x) pH 7.4

ScyTek Tris Buffered Saline (25x) pH of 7.4 is an optimal formulation of pH stabilizers, salts and detergents designed to effectively remove excess material from the microtiter plate wells without disrupting the ELISA binding reaction. By maintaining the proper buffering environment, unbound components can be washed away without suppressing antigen-antibody binding interactions, thereby reducing nonspecific background and increasing the specific signal. Our Wash buffers do not contain hazardous preservatives such as Azide or Mercury that may interfere with antibody-antigen binding interactions. For your convenience wash buffer is offered in a wide variety of formulations to meet the needs of your specific ELISA application. This product can be customized to meet the specific needs of your assay. Inquire about custom vialing, labeling, kit assembly and drop shipping.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
TBS500	500 ml	\$43.70
TBS999	1000 ml	\$71.30
TBS010	10 L	\$427.80
TBS-20000	20 L	\$769.50

Tris Buffered Saline plus Tween 20 (10x) pH 7.5

ScyTek Tris Buffered Saline + Tween 20 (10x) pH of 7.5 is an optimal formulation of pH stabilizers, salts and detergents designed to effectively remove excess material from the microtiter plate wells without disrupting the ELISA binding reaction. By maintaining the proper buffering environment, unbound components can be washed away without suppressing antigen-antibody binding interactions, thereby reducing nonspecific background and increasing the specific signal. Our Wash buffers do not contain hazardous preservatives such as Azide or Mercury that may interfere with antibody-antigen binding interactions. For your convenience wash buffer is offered in a wide variety of formulations to meet the needs of your specific ELISA application. This product can be customized to meet the specific needs of your assay. Inquire about custom vialing, labeling, kit assembly and drop shipping.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
TBE500	500 ml	\$36.80
TBE999	1000 ml	\$56.35
TBE010	10 L	\$338.10
TBE-20000	20 L	\$608.58

Tris Buffered Saline plus Tween 20 (20x Concentrate) pH 7.4

ScyTek Tris Buffered Saline + Tween 20 (20x Concentrate) pH of 7.4 is an optimal formulation of pH stabilizers, salts and detergents designed to effectively remove excess material from the tissue sample or microtiter plate wells without disrupting the antibody binding reaction. By maintaining the proper buffering environment, unbound components can be washed away without suppressing antigen-antibody binding interactions, thereby reducing nonspecific background and increasing the specific signal. Our Wash buffers do not contain hazardous preservatives such as Azide or Mercury that may interfere with antibody-antigen binding interactions. For your convenience wash buffer is offered in a wide variety of formulations to meet the needs of your specific ELISA application.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
TBT500	500 ml	\$43.70
TBT999	1000 ml	\$71.30
TBT010	10 L	\$427.80
TBT-20000	20 L	\$769.50

Immunohistochemistry

UltraTek

UltraTek Kits

UltraTek HRP

Retrieval HRP Anti-Polyvalent Lab Pack

The Retrieval Lab Pack is the optimal kit for the retrieval process. It is designed to provide crisp staining with incubation times of 10 minutes for the Link Antibody and Enzyme Label. The antibodies have been highly purified and specially formulated to assure crisp, clear staining when used in conjunction with each other.

Contains: Citrate Plus, Super Block, Anti-Polyvalent, and HRP

Catalog Number	Volume	Price
RLP015	150 Slides	\$142.60
RLP125	1250 Slides	\$564.65
RLP500	5000 Slides	\$1,338.60
RLP999	10000 Slides	\$2,394.30

UltraTek HRP Anti-Mouse (AEC) Staining System

Contains: 1 x 8ml Peroxide Block
1 x 8ml Super Block
1 x 8ml Anti-Mouse
1 x 8ml HRP
1 x 3ml AEC Chromogen
7 x 5ml AEC Substrate

Catalog Number	Volume	Price
AKB080	70 Slides	\$115.00

UltraTek HRP Anti-Mouse (DAB) Staining System

Contains: 1 x 8ml Peroxide Block
1 x 8ml Super Block
1 x 8ml Anti-Mouse
1 x 8ml HRP
1 x 3ml DAB Chromogen
7 x 5ml DAB Substrate

Catalog Number	Volume	Price
AKA080	70 Slides	\$115.00

UltraTek HRP Anti-Mouse Lab Pack

Contains: One container of Super Block.
One container of Anti-Mouse.
One container of HRP.

Catalog Number	Volume	Price
UHM125	1250 Slides	\$354.20
UHM500	5000 Slides	\$971.75
UHM999	10000 Slides	\$1,647.95

UltraTek HRP Anti-Mouse Staining System

Contains: 4 x 15ml Super Block
4 x 15ml Anti-Mouse
4 x 15ml HRP

Catalog Number	Volume	Price
AFJ600	500 Slides	\$296.70

UltraTek HRP Anti-Polyvalent (AEC) Staining System

Contains: 1 x 8ml Peroxide Block
1 x 8ml Super Block
1 x 8ml Anti-Polyvalent
1 x 8ml HRP
1 x 3ml AEC Chromogen
7 x 5ml AEC Substrate

Catalog Number	Volume	Price
AMG080	70 Slides	\$115.00

UltraTek HRP Anti-Polyvalent (DAB) Staining System

Contains: 1 x 8ml Peroxide Block
1 x 8ml Super Block
1 x 8ml Anti-Polyvalent
1 x 8ml HRP
1 x 3ml DAB Chromogen
7 x 5ml DAB Substrate

Catalog Number	Volume	Price
AMF080	70 Slides	\$115.00

UltraTek HRP Anti-Polyvalent Lab Pack

The UltraTek staining kit provides unmatched sensitivity with incubation times of 10 minutes each for the Link Antibody and Enzyme Label. The bulk kits are ideal for high volume laboratories. Each Pack contains one bottle of Super Block (universal protein block), one bottle of Biotinylated Antibody (Polyvalent), and one bottle of Horseradish Peroxidase Labeled Streptavidin. Each bottle contains 125, 500, or 1000ml of reagent. These Lab-Packs provide an extremely economical alternative for automated staining systems and we encourage you to evaluate the addition of this in your current system.

Contains: One container of Super Block.
One container of Antipolyvalent.
One container of HRP.

Catalog Number	Volume	Price
UHP125	1250 Slides	\$458.85
UHP500	5000 Slides	\$1,233.95
UHP999	10000 Slides	\$2,254.00

UltraTek HRP Anti-Polyvalent Staining System

Contains: 4 x 15ml Super Block
4 x 15ml Anti-Polyvalent
4 x 15ml HRP

Catalog Number	Volume	Price
AFN600	500 Slides	\$338.10

UltraTek HRP Anti-Rabbit (AEC) Staining System

Contains: 1 x 8ml Peroxide Block
 1 x 8ml Super Block
 1 x 8ml Anti-Rabbit
 1 x 8ml HRP
 1 x 3ml AEC Chromogen
 7 x 5ml AEC Substrate

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
AKD080	70 Slides	\$115.00

UltraTek HRP Anti-Rabbit (DAB) Staining System

Contains: 1 x 8ml Peroxide Block
 1 x 8ml Super Block
 1 x 8ml Anti-Rabbit
 1 x 8ml HRP
 1 x 3ml DAB Chromogen
 7 x 5ml DAB Substrate

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
AKC080	70 Slides	\$115.00

UltraTek HRP Anti-Rabbit Lab Pack

The UltraTek staining kit provides unmatched sensitivity with incubation times of 10 minutes each for the Link Antibody and Enzyme Label. The bulk kits are ideal for high volume laboratories. Each Pack contains one bottle of Super Block (universal protein block), one bottle of Biotinylated Anti-Rabbit, and one bottle of Horseradish Peroxidase Labeled Streptavidin. Each bottle contains 125, 500, or 1000ml of reagent. These Lab-Packs provide an extremely economical alternative for automated staining systems and we encourage you to evaluate the addition of this in your current system.

Contains: One container of Super Block.
 One container of Anti-Rabbit.
 One container of HRP.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
UHR125	1250 Slides	\$354.20
UHR500	5000 Slides	\$971.75
UHR999	10000 Slides	\$1,647.95

UltraTek HRP Anti-Rabbit Staining System

Contains: 4 x 15ml Super Block
 4 x 15ml Anti-Rabbit
 4 x 15ml HRP

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
AFK600	500 Slides	\$296.70

UltraTek Alk-Phos**UltraTek Alk-Phos Anti-Mouse (Fast Red) Staining System**

Species of Origin: Goat
 Antigen Specificity: Anti-Mouse IgG(H+L)
 Preadsorbed Against: Human, Bovine, Horse, Rabbit, Swine
 Enzyme Conjugate: Alkaline Phosphatase
 Chromogen Substrate: Fast-Red

Uses/Limitations: For Research Use Only.
 Do not use past expiration date.
 For immunohistochemical studies.

Contains: 1 x 8ml Super Block
 1 x 8ml Anti-Mouse
 1 x 8ml Alk-Phos
 8 Fast-Red Tablets
 8 x 5ml Naphthol Phosphate Buffer

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
AET080	70 Slides	\$115.00

UltraTek Alk-Phos Anti-Mouse Lab Pack

Contains: One container of Super Block.
 One container of Anti-Mouse.
 One container of Alk-Phos.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
UAM125	1250 Slides	\$438.15
UAM500	5000 Slides	\$1,338.60
UAM999	10000 Slides	\$2,254.00

UltraTek Alk-Phos Anti-Mouse Staining System

Contains: 4 x 15ml Super Block
 4 x 15ml Anti-Mouse
 4 x 15ml Alk-Phos

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
AFL600	500 Slides	\$296.70

UltraTek Alk-Phos Anti-Polyvalent (Fast Red) Staining System

Contains: 1 x 8ml Super Block
 1 x 8ml Anti-Polyvalent
 1 x 8ml Alk-Phos
 8 Fast-Red Tablets
 8 x 5ml Naphthol Phosphate Buffer

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
AMH080	70 Slides	\$115.00

UltraTek Alk-Phos Anti-Polyvalent Lab Pack

Contains: One container of Super Block.
 One container of Anti-Polyvalent.
 One container of Alk-Phos.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
UAP125	1250 Slides	\$634.80
UAP500	5000 Slides	\$1,831.95
UAP999	10000 Slides	\$3,381.00

UltraTek Alk-Phos Anti-Polyvalent Staining System

Contains: 4 x 15ml Super Block
 4 x 15ml Anti-Polyvalent
 4 x 15ml Alk-Phos

Catalog Number	Volume	Price
AFP600	500 Slides	\$310.50

UltraTek Alk-Phos Anti-Rabbit (Fast Red) Staining System

Contains: 1 x 8ml Super Block
 1 x 8ml Anti-Rabbit
 1 x 8ml Alk-Phos
 8 Fast-Red Tablets
 8 x 5ml Naphthol Phosphate Buffer

Catalog Number	Volume	Price
AME080	70 Slides	\$115.00

UltraTek Alk-Phos Anti-Rabbit Lab Pack

Contains: One container of Super Block.
 One container of Anti-Rabbit.
 One container of Alk-Phos.

Catalog Number	Volume	Price
UAR125	1250 Slides	\$438.15
UAR500	5000 Slides	\$1,338.60
UAR999	10000 Slides	\$2,254.00

UltraTek Alk-Phos Anti-Rabbit Staining System

Contains: 4 x 15ml Super Block
 4 x 15ml Anti-Rabbit
 4 x 15ml Alk-Phos

Catalog Number	Volume	Price
AFM600	500 Slides	\$296.70

UltraTek Individual Reagents

Super Block

Is a unique serum-free protein block for immunochemistry. Super Block eliminates the need for matching species with the link antibody and is often, more effective at reducing non-specific background staining than normal serum. This product is currently being used in a variety of applications including, Immunohistochemistry, ELISA plate blocking, and blotting. For OEM customers, this product can be modified to meet individual assay needs. Inquire about custom vialing, labeling, kit assembly and drop shipping.

Catalog Number	Volume	Price
AAA125	125 ml	\$40.25
AAA500	500 ml	\$79.35
AAA999	1000 ml	\$113.85

UltraTek Alkaline Phosphatase

The UltraTek line is our leading edge system, designed to provide optimal staining with incubation times of 10 minutes each for the link antibody and enzyme label. For most procedures, commercially available primary antibodies can be diluted up to 50% further than with other systems.

Catalog Number	Volume	Price
ABM008	8 ml	\$50.60
ABM015	15 ml	\$78.20
ABM125	125 ml	\$381.80
ABM500	500 ml	\$1,233.95
ABM999	1000 ml	\$2,113.70

UltraTek Anti-Goat

The UltraTek line is our leading edge system, designed to provide optimal staining with incubation times of 10 minutes each for the link antibody and enzyme label. For most procedures, commercially available primary antibodies can be diluted up to 50% further than with other systems.

Catalog Number	Volume	Price
AGL008	8 ml	\$28.75
AGL015	15 ml	\$50.60
AGL125	125 ml	\$193.20
AGL250	250 ml	\$368.00

UltraTek Anti-Mouse

The UltraTek line is our leading edge system, designed to provide optimal staining with incubation times of 10 minutes each for the link antibody and enzyme label. For most procedures, commercially available primary antibodies can be diluted up to 50% further than with other systems.

Catalog Number	Volume	Price
ABJ008	8 ml	\$28.75
ABJ015	15 ml	\$50.60
ABJ125	125 ml	\$185.15
ABJ500	500 ml	\$522.10
ABJ999	1000 ml	\$916.55

UltraTek Anti-Polyvalent

The UltraTek line is our leading edge system, designed to provide optimal staining with incubation times of 10 minutes each for the link antibody and enzyme label. For most procedures, commercially available primary antibodies can be diluted up to 50% further than with other systems.

Catalog Number	Volume	Price
ABN008	8 ml	\$50.60
ABN015	15 ml	\$78.20
ABN125	125 ml	\$338.10
ABN500	500 ml	\$1,021.20
ABN999	1000 ml	\$1,789.40

UltraTek Anti-Rabbit

The UltraTek line is our leading edge system, designed to provide optimal staining with incubation times of 10 minutes each for the link antibody and enzyme label. For most procedures, commercially available primary antibodies can be diluted up to 50% further than with other systems.

Catalog Number	Volume	Price
ABK008	8 ml	\$28.75
ABK015	15 ml	\$50.60
ABK125	125 ml	\$185.15
ABK500	500 ml	\$522.10
ABK999	1000 ml	\$916.55

UltraTek Horseradish Peroxidase

The UltraTek line is our leading edge system, designed to provide optimal staining with incubation times of 10 minutes each for the link antibody and enzyme label. For most procedures, commercially available primary antibodies can be diluted up to 50% further than with other systems.

Catalog Number	Volume	Price
ABL008	8 ml	\$43.70
ABL015	15 ml	\$56.35
ABL125	125 ml	\$197.80
ABL500	500 ml	\$535.90
ABL999	1000 ml	\$916.55

SensiTek

SensiTek Kits

SensiTek HRP

SensiTek HRP Anti-Mouse (AEC) Staining System

Contains: 1 x 8ml Peroxide Block
 1 x 8ml Super Block
 1 x 8ml Anti-Mouse
 1 x 8ml HRP
 1 x 3ml AEC Chromogen
 7 x 5ml AEC Substrate

Catalog Number	Volume	Price
AEB080	70 Slides	\$93.15

SensiTek HRP Anti-Mouse (DAB) Staining System

Contains: 1 x 8ml Peroxide Block
 1 x 8ml Super Block
 1 x 8ml Anti-Mouse
 1 x 8ml HRP
 1 x 3ml DAB Chromogen
 7 x 5ml DAB Substrate

Catalog Number	Volume	Price
AEA080	70 Slides	\$93.15

SensiTek HRP Anti-Mouse Lab Pack

Contains: One container of Super Block
 One container of Anti-Mouse
 One container of HRP

Catalog Number	Volume	Price
SHM125	1250 Slides	\$262.20
SHM500	5000 Slides	\$704.95
SHM999	10000 Slides	\$1,233.95

SensiTek HRP Anti-Mouse Staining System

Contains: 4 x 15ml Super Block
 4 x 15ml Anti-Mouse
 4 x 15ml Alk-Phos

Catalog Number	Volume	Price
AFA600	500 Slides	\$219.65

SensiTek HRP Anti-Polyvalent (AEC) Staining System

Contains: 1 x 8ml Peroxide Block
 1 x 8ml Super Block
 1 x 8ml Anti-Polyvalent
 1 x 8ml HRP
 1 x 3ml AEC Chromogen
 7 x 5ml AEC Substrate

Catalog Number	Volume	Price
AEN080	70 Slides	\$98.90

SensiTek HRP Anti-Polyvalent (DAB) Staining System

Contains: 1 x 8ml Peroxide Block
 1 x 8ml Super Block
 1 x 8ml Anti-Polyvalent
 1 x 8ml HRP
 1 x 3ml DAB Chromogen
 7 x 5ml DAB Substrate

Catalog Number	Volume	Price
AEM080	70 Slides	\$98.90

SensiTek HRP Anti-Polyvalent Lab Pack

Contains: One container of Super Block
 One container of Anti-Polyvalent
 One container of HRP

Catalog Number	Volume	Price
SHP125	1250 Slides	\$276.00
SHP500	5000 Slides	\$775.10
SHP999	10000 Slides	\$1,359.30

SensiTek HRP Anti-Polyvalent Staining System

Contains: 4 x 15ml Super Block
 4 x 15ml Anti-Polyvalent
 4 x 15ml HRP

Catalog Number	Volume	Price
AFG600	500 Slides	\$338.10

SensiTek HRP Anti-Rabbit (AEC) Staining System

Contains: 1 x 8ml Peroxide Block
 1 x 8ml Super Block
 1 x 8ml Anti-Rabbit
 1 x 8ml HRP
 1 x 3ml AEC Chromogen
 7 x 5ml AEC Substrate

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
AEJ080	70 Slides	\$93.15

SensiTek HRP Anti-Rabbit (DAB) Staining System

Contains: 1 x 8ml Peroxide Block
 1 x 8ml Super Block
 1 x 8ml Anti-Rabbit
 1 x 8ml HRP
 1 x 3ml DAB Chromogen
 7 x 5ml DAB Substrate

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
AEI080	70 Slides	\$93.15

SensiTek HRP Anti-Rabbit Lab Pack

Contains: One container of Super Block
 One container of Anti-Rabbit
 One container of HRP

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
SHR125	1250 Slides	\$262.20
SHR500	5000 Slides	\$704.95
SHR999	10000 Slides	\$1,233.95

SensiTek HRP Anti-Rabbit Staining System

Contains: 4 x 15ml Super Block
 4 x 15ml Anti-Rabbit
 4 x 15ml HRP

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
AFE600	500 Slides	\$219.65

SensiTek Alk-Phos

SensiTek Alk-Phos Anti-Mouse (Fast Red) Staining System

Contains: 1 x 8ml Super Block
 1 x 8ml Anti-Mouse
 1 x 8ml Alk-Phos
 8 Fast-Red Tablets
 8 x 5ml Naphthol Phosphate Buffer

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
AEC080	70 Slides	\$93.15

SensiTek Alk-Phos Anti-Mouse Lab Pack

Contains: One container of Super Block
 One container of Anti-Mouse
 One container of Alk-Phos.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
SAM125	1250 Slides	\$354.20
SAM500	5000 Slides	\$775.10
SAM999	10000 Slides	\$1,338.60

SensiTek Alk-Phos Anti-Mouse Staining System

Contains: 4 x 15ml Super Block
 4 x 15ml Anti-Mouse
 4 x 15ml Alk-Phos

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
AFB600	500 Slides	\$219.65

SensiTek Alk-Phos Anti-Polyvalent (Fast Red) Staining System

Contains: 1 x 8ml Super Block
 1 x 8ml Anti-Polyvalent
 1 x 8ml Alk-Phos
 8 Fast-Red Tablets
 8 x 5ml Naphthol Phosphate Buffer

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
AES080	70 Slides	\$98.90

SensiTek Alk-Phos Anti-Polyvalent Lab Pack

Contains: One container of Super Block
 One container of Anti-Polyvalent
 One container of Alk-Phos.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
SAP125	1250 Slides	\$296.70
SAP500	5000 Slides	\$845.25
SAP999	10000 Slides	\$1,550.20

SensiTek Alk-Phos Anti-Polyvalent Staining System

Contains: 4 x 15ml Super Block
 4 x 15ml Anti-Polyvalent
 4 x 15ml Alk-Phos

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
AFH600	500 Slides	\$338.10

SensiTek Alk-Phos Anti-Rabbit (Fast Red) Staining System

Contains: 1 x 8ml Super Block
 1 x 8ml Anti-Rabbit
 1 x 8ml Alk-Phos
 8 Fast-Red Tablets
 8 x 5ml Naphthol Phosphate Buffer

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
AEK080	70 Slides	\$93.15

SensiTek Alk-Phos Anti-Rabbit Lab Pack

Contains: One container of Super Block
 One container of Anti-Rabbit
 One container of Alk-Phos.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
SAR125	1250 Slides	\$354.20
SAR500	5000 Slides	\$775.10
SAR999	10000 Slides	\$1,338.60

SensiTek Alk-Phos Anti-Rabbit Staining System

Contains: 4 x 15ml Super Block
 4 x 15ml Anti-Rabbit
 4 x 15ml Alk-Phos

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
AFF600	500 Slides	\$219.65

SensiTek Individual Reagents

SensiTek Alkaline Phosphatase

The SensiTek reagents are ideal for laboratories that require both performance and economy. The link antibody and enzyme label each require a 20-minute incubation period. The reagents produce clear, crisp staining with almost any commercially available primary antibody.

Catalog Number	Volume	Price
ABH008	8 ml	\$36.80
ABH015	15 ml	\$50.60
ABH125	125 ml	\$163.30
ABH500	500 ml	\$451.95
ABH999	1000 ml	\$803.85

SensiTek Anti-Mouse

The SensiTek reagents are ideal for laboratories that require both performance and economy. The link antibody and enzyme label each require a 20-minute incubation period. The reagents produce clear, crisp staining with almost any commercially available primary antibody.

Catalog Number	Volume	Price
ABC008	8 ml	\$23.00
ABC015	15 ml	\$36.80
ABC125	125 ml	\$135.70
ABC500	500 ml	\$381.80
ABC999	1000 ml	\$662.40

SensiTek Anti-Polyvalent

The SensiTek reagents are ideal for laboratories that require both performance and economy. The link antibody and enzyme label each require a 20-minute incubation period. The reagents produce clear, crisp staining with almost any commercially available primary antibody.

Catalog Number	Volume	Price
ABF008	8 ml	\$28.75
ABF015	15 ml	\$43.70
ABF125	125 ml	\$156.40
ABF500	500 ml	\$479.55
ABF999	1000 ml	\$846.40

SensiTek Anti-Rabbit

The SensiTek reagents are ideal for laboratories that require both performance and economy. The link antibody and enzyme label each require a 20-minute incubation period. The reagents produce clear, crisp staining with almost any commercially available primary antibody.

Catalog Number	Volume	Price
ABE008	8 ml	\$23.00
ABE015	15 ml	\$36.80
ABE125	125 ml	\$135.70
ABE500	500 ml	\$381.80
ABE999	1000 ml	\$662.40

SensiTek Horseradish Peroxidase

The SensiTek reagents are ideal for laboratories that require both performance and economy. The link antibody and enzyme label each require a 20-minute incubation period. The reagents produce clear, crisp staining with almost any commercially available primary antibody.

Catalog Number	Volume	Price
ABG008	8 ml	\$28.75
ABG015	15 ml	\$43.70
ABG125	125 ml	\$148.35
ABG500	500 ml	\$424.35
ABG999	1000 ml	\$704.95

Super Block

Is a unique serum-free protein block for immunochemistry. Super Block eliminates the need for matching species with the link antibody and is often, more effective at reducing non-specific background staining than normal serum. This product is currently being used in a variety of applications including, Immunohistochemistry, ELISA plate blocking, and blotting. For OEM customers, this product can be modified to meet individual assay needs. Inquire about custom vialing, labeling, kit assembly and drop shipping.

Catalog Number	Volume	Price
AAA125	125 ml	\$40.25
AAA500	500 ml	\$79.35
AAA999	1000 ml	\$113.85

EconoTek

HRP

EconoTek HRP Anti-Polyvalent (DAB)

The EconoTek reagents are ideal for laboratories that require both performance and maximum economy. The link antibody and enzyme label each require a 30-minute incubation period. The reagents produce clear, crisp staining with almost any commercially available primary antibody. Our Anti-Polyvalent systems may be used with primary antibodies derived from Mouse, Rat, Rabbit and Guinea Pig.

Contains: 1 x 8ml Peroxide Block
 1 x 8ml Super Block
 1 x 8ml Anti-Polyvalent
 1 x 8ml HRP
 1 x 3ml DAB Chromogen
 7 x 5ml DAB Substrate

Catalog Number	Volume	Price
AEX080	70 Slides	\$85.10

EconoTek HRP Anti-Polyvalent Lab Pack

The EconoTek reagents are ideal for laboratories that require both performance and maximum economy. The link antibody and enzyme label each require a 30-minute incubation period. The reagents produce clear, crisp staining with almost any commercially available primary antibody. Our Anti-Polyvalent systems may be used with primary antibodies derived from Mouse, Rat, Rabbit and Guinea Pig.

The bulk kits are ideal for high volume laboratories. Each Pack contains one bottle of Super Block (universal protein block), one bottle of Biotinylated Antibody (Polyvalent), and one bottle of Enzyme Labeled Streptavidin. Each bottle contains 125, 500, or 1000ml of reagent. These Lab-Packs provide an extremely economical alternative for automated staining systems.

Catalog Number	Volume	Price
EHP125	1250 Slides	\$219.65
EHP500	5000 Slides	\$609.50
EHP999	10000 Slides	\$1,061.45

Alk-Phos**EconoTek Alk-Phos Anti-Polyvalent Lab Pack**

The EconoTek reagents are ideal for laboratories that require both performance and maximum economy. The link antibody and enzyme label each require a 30-minute incubation period. The reagents produce clear, crisp staining with almost any commercially available primary antibody. Our Anti-Polyvalent systems may be used with primary antibodies derived from Mouse, Rat, Rabbit and Guinea Pig.

The bulk kits are ideal for high volume laboratories. Each Pack contains one bottle of Super Block (universal protein block), one bottle of Biotinylated Antibody (Polyvalent), and one bottle of Enzyme Labeled Streptavidin. Each bottle contains 125, 500, or 1000ml of reagent. These Lab-Packs provide an extremely economical alternative for automated staining systems.

Catalog Number	Volume	Price
EAP125	1250 Slides	\$234.60
EAP500	5000 Slides	\$662.40
EAP999	10000 Slides	\$1,221.30

EconTek Alk-Phos Anti-Polyvalent (Fast Red)

The EconoTek reagents are ideal for laboratories that require both performance and maximum economy. The link antibody and enzyme label each require a 30-minute incubation period. The reagents produce clear, crisp staining with almost any commercially available primary antibody. Our Anti-Polyvalent systems may be used with primary antibodies derived from Mouse, Rat, Rabbit and Guinea Pig.

Contains: 1 x 8ml Super Block
1 x 8ml Anti-Polyvalent
1 x 8ml Alk-Phos
8 Fast-Red Tablets
8 x 5ml Naphthol Phosphate Buffer

Catalog Number	Volume	Price
AEY080	70 Slides	\$87.40

Polymer IHC**Polymer Kits****CRF Anti-Polyvalent HRP Polymer (DAB) Lab Pack**

The CRF Anti-Polyvalent HRP Polymer (DAB) Lab Pack based on proprietary CRF Technology has been developed to provide the cleanest, most consistent staining available. Developed in the research laboratories of ScyTek, the system utilizes a polymerized peroxidase label that eliminates biotin and its' associated background issues from the equation. In addition, this product reduces the steps required for immunohistochemical staining by combining two steps from the traditional Biotin-Streptavidin system. The CRF technology based Anti-Polyvalent system is effective with antibodies of mouse, rat, rabbit and guinea pig. Each Lab Pack includes either 125ml, 500ml, or 1000ml of each component.

Contains: One bottle of Super Block.
One bottle of CRF Anti-Polyvalent HRP Polymer.
One bottle of DAB Substrate (High Contrast)
One vial of DAB Chromogen Concentrate.

Catalog Number	Volume	Price
CPP125	1250 Slides	\$1,412.20
CPP500	5000 Slides	\$5,234.80
CPP999	10000 Slides	\$10,106.20

Polymer HRP**CRF Anti-Polyvalent HRP Polymer (DAB) Stain Kit**

The CRF Anti-Polyvalent HRP Polymer (DAB) Stain Kit based on proprietary CRF Technology has been developed to provide the cleanest, most consistent staining available. Developed in the research laboratories of ScyTek, the system utilizes a polymerized peroxidase label that eliminates biotin and its' associated background issues from the equation. In addition, this product reduces the steps required for immunohistochemical staining by combining two steps from the traditional Biotin-Streptavidin system. The CRF technology based Anti-Polyvalent system is effective with antibodies of mouse, rat, rabbit and guinea pig.

Kit Contents: Peroxide Block 8 ml
Super Block 8 ml
CRF Anti-Polyvalent HRP 8 ml
DAB Chromogen Concentrate 3 ml
DAB Substrate (High Contrast) 5 ml x 8 vials

Catalog Number	Volume	Price
CPH080	80 Slides	\$211.60

PolyTek HRP Anti-Mouse Polymerized Imaging System

ScyTek introduces the PolyTek HRP Anti-Mouse Polymerized Imaging System designed for high quality immunohistochemistry. The ultimate in IHC staining quality is now provided by ScyTek in a kit that includes all reagents needed to complete staining for image analysis. Each component has been specially developed to provide the cleanest, most consistent staining available. The system is based on a polymerized peroxidase label that eliminates biotin from the equation, thereby eliminating a major cause of background staining. Each reagent has been reformulated to provide the highest possible contrast between positive staining and the counter stain.

The kit is being introduced as a kit capable of staining up to 70 slides, utilizing DAB as the chromogen and may be used with primary antibodies of mouse origin.

Contains:	1 x 125ml	Citrate Plus
	1 x 8ml	Peroxide Block for Image Analysis
	1 x 8ml	Super Block
	1 x 8ml	PolyTek Anti-Mouse HRP
	1 x 3ml	DAB Chromogen for Image Analysis
	8 x 5ml	DAB Substrate for Image Analysis
	1 x 125ml	Hematoxylin for Automation
	1 x 125ml	Bluing Reagent

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
PIR080	70 Slides	\$272.55

Polymer Individual Reagents

CRF Anti-Polyvalent HRP Polymer

CRF Anti-Polyvalent HRP Polymer has been developed to provide the cleanest, most consistent staining available. Developed in the research laboratories of ScyTek, the system is based on a polymerized peroxidase label that eliminates biotin and its' associated background issues from the equation. In addition, this product reduces the steps required for immunohistochemical staining by combining two steps from the traditional Biotin-Streptavidin system. CRF Anti-Polyvalent HRP Polymer is effective with antibodies of mouse, rat, rabbit and guinea pig.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
ABZ008	8 ml	\$169.05
ABZ015	15 ml	\$301.30
ABZ125	125 ml	\$1,267.30
ABZ500	500 ml	\$4,950.75
ABZ999	1000 ml	\$9,660.00

PolyTek, Anti-Mouse Polymerized HRP

PolyTek, Anti-Mouse Polymerized HRP has been developed to provide the cleanest, most consistent staining available. The system is based on a polymerized peroxidase label that eliminates biotin from the equation, thereby eliminating a major cause of background staining. In addition, this product reduces the steps required for immunohistochemical staining by combining two steps from the traditional Biotin-Streptavidin system.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
PAM008	8 ml	\$232.30
PAM015	15 ml	\$411.70

Super Block

Is a unique serum-free protein block for immunochemistry. Super Block eliminates the need for matching species with the link antibody and is often, more effective at reducing non-specific background staining than normal serum. This product is currently being used in a variety of applications including, Immunohistochemistry, ELISA plate blocking, and blotting. For OEM customers, this product can be modified to meet individual assay needs. Inquire about custom vialing, labeling, kit assembly and drop shipping.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
AAA125	125 ml	\$40.25
AAA500	500 ml	\$79.35
AAA999	1000 ml	\$113.85

Species Specific Reagents

Mouse to Mouse

Mouse to Mouse Alk-Phos (Fast Red) Staining System

Contains:	1 x 8ml	Super Block
	1 x 8ml	Mouse Block
	1 x 8ml	Anti-Polyvalent
	1 x 8ml	Alk-Phos
	1 x 7	Fast Red Tablets
	7 x 5ml	Naphthol Phosphate Buffer

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
MTM004	70 Slides	\$175.95

Mouse to Mouse Alk-Phos Staining System

Contains:	3 x 15ml	Super Block
	3 x 15ml	Mouse Block
	3 x 15ml	Anti-Polyvalent
	3 x 15ml	Alk-Phos

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
MTM005	400 Slides	\$458.85

Mouse to Mouse HRP (AEC) Staining System

Contains:	1 x 8ml	Peroxide Block
	1 x 8ml	Super Block
	1 x 8ml	Mouse Block
	1 x 8ml	Anti-Polyvalent
	1 x 8ml	HRP
	1 x 3ml	Chromogen
	6 x 5ml	Substrate

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
MTM002	70 Slides	\$175.95

Mouse to Mouse HRP (DAB) Staining System

Contains:	1 x 8ml	Peroxide Block
	1 x 8ml	Super Block
	1 x 8ml	Mouse Block
	1 x 8ml	Anti-Polyvalent
	1 x 8ml	HRP
	1 x 3ml	Chromogen
	6 x 5ml	Substrate

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
MTM001	70 Slides	\$175.95

Blocking Reagents (IHC)

Mouse to Mouse HRP Staining System

Contains: 3 x 15ml Super Block
3 x 15ml Mouse Block
3 x 15ml Anti-Polyvalent
3 x 15ml HRP

Catalog Number	Volume	Price
MTM003	400 Slides	\$458.85

Mouse-to-Mouse Blocking Reagent

ScyTek's Mouse to Mouse reagent has been formulated to provide the researcher with a staining system capable of visualizing mouse monoclonal antibodies on mouse tissue. In most cases a 30-minute incubation with Mouse to Mouse block will virtually eliminate background staining that is caused by endogenous immunoglobulins. We highly recommend that this reagent be used in conjunction with ScyTek's UltraTek Anti-Mouse staining system for optimal results.

Catalog Number	Volume	Price
MTM008	8 ml	\$28.75
MTM015	15 ml	\$36.80
MTM125	125 ml	\$282.90
MTM500	500 ml	\$704.95

Human to Human

Human-to-Human Blocking Reagent

ScyTek's Human to Human reagent has been formulated to provide the researcher with a staining system capable of visualizing human monoclonal antibodies on human tissue. In most cases a 30-minute incubation with Human to Human block will virtually eliminate background staining that is caused by endogenous immunoglobulins.

Catalog Number	Volume	Price
HTH100	100 ml	\$212.75

Rabbit to Rabbit

Rabbit-to-Rabbit Blocking Reagent

ScyTek's Rabbit-to-Rabbit reagent has been formulated to provide the researcher with a staining system capable of visualizing Rabbit antibodies on Rabbit tissue. In most cases a 30-minute incubation with Rabbit-to-Rabbit block will virtually eliminate background staining that is caused by endogenous immunoglobulins. We highly recommend that this reagent be used in conjunction with ScyTek's UltraTek Anti-Rabbit staining system for optimal results.

Catalog Number	Volume	Price
RTR008	8 ml	\$28.75
RTR015	15 ml	\$36.80
RTR125	125 ml	\$282.90
RTR500	500 ml	\$704.95

Biotin Blocking Kit for Image Analysis

Biotin Blocking Kit has been developed to use with immunohistochemical (IHC) techniques for the reduction of nonspecific background staining due to endogenous biotin. Biotin is a coenzyme of decarboxylase. It is present in many tissues, such as liver, pancreas, kidney, and intestine. Endogenous biotin can interfere with staining systems that employ the use of biotin. This product is designed to effectively eliminate the interfering tendencies of endogenous biotin.

Clear liquid, two components (A and B).

Store Biotin Blocking Kit at 2-8 deg. C. Product is stable for 18 months from date of manufacture.

Catalog Number	Volume	Price
BBK030	30 ml	\$65.55
BBK120	120 ml	\$175.95

Human-to-Human Blocking Reagent

ScyTek's Human to Human reagent has been formulated to provide the researcher with a staining system capable of visualizing human monoclonal antibodies on human tissue. In most cases a 30-minute incubation with Human to Human block will virtually eliminate background staining that is caused by endogenous immunoglobulins.

Catalog Number	Volume	Price
HTH100	100 ml	\$212.75

Mouse-to-Mouse Blocking Reagent

ScyTek's Mouse to Mouse reagent has been formulated to provide the researcher with a staining system capable of visualizing mouse monoclonal antibodies on mouse tissue. In most cases a 30-minute incubation with Mouse to Mouse block will virtually eliminate background staining that is caused by endogenous immunoglobulins. We highly recommend that this reagent be used in conjunction with ScyTek's UltraTek Anti-Mouse staining system for optimal results.

Catalog Number	Volume	Price
MTM008	8 ml	\$28.75
MTM015	15 ml	\$36.80
MTM125	125 ml	\$282.90
MTM500	500 ml	\$704.95

Peroxide Block

Is recommended for the reduction of background staining due to endogenous peroxidase.

Catalog Number	Volume	Price
ACA015	15 ml	\$18.40
ACA125	125 ea.	\$40.25
ACA500	500 ml	\$78.20
ACA999	1000 ml	\$115.00

Peroxide Block for Image Analysis

This reagent has been developed for use with immunohistochemical (IHC) techniques for the reduction of nonspecific background staining due to endogenous peroxidase. Traditional methods describe blocking peroxidase with hydrogen peroxide. This reagent employs hydrogen peroxide in combination with additional novel components to further quench endogenous peroxidase.

Storage: 2-8 deg. Centigrade

Catalog Number	Volume	Price
ADA015	15 ml	\$27.60
ADA500	500 ml	\$115.00
ADA999	1000 ml	\$212.75

Pro-Block

Is a unique serum-free protein block for immunochemistry. Pro-Block eliminates the need for matching species with the link antibody and is often, more effective at reducing non-specific background staining than normal serum.

Pro-Block is similar to Super Block, but without casein. The reagent is filtered at 0.2 microns.

Catalog Number	Volume	Price
PBK125	125 ml	\$36.80
PBK500	500 ml	\$71.30
PBK999	1000 ml	\$106.95
PBK010	10 L	\$748.65
PBK-20000	20 L	\$1,390.35

Rabbit-to-Rabbit Blocking Reagent

ScyTek's Rabbit-to-Rabbit reagent has been formulated to provide the researcher with a staining system capable of visualizing Rabbit antibodies on Rabbit tissue. In most cases a 30-minute incubation with Rabbit-to-Rabbit block will virtually eliminate background staining that is caused by endogenous immunoglobulins. We highly recommend that this reagent be used in conjunction with ScyTek's UltraTek Anti-Rabbit staining system for optimal results.

Catalog Number	Volume	Price
RTR008	8 ml	\$28.75
RTR015	15 ml	\$36.80
RTR125	125 ml	\$282.90
RTR500	500 ml	\$704.95

Super Block

Is a unique serum-free protein block for immunochemistry. Super Block eliminates the need for matching species with the link antibody and is often, more effective at reducing non-specific background staining than normal serum. This product is currently being used in a variety of applications including, Immunohistochemistry, ELISA plate blocking, and blotting. For OEM customers, this product can be modified to meet individual assay needs. Inquire about custom vialing, labeling, kit assembly and drop shipping.

Catalog Number	Volume	Price
AAA125	125 ml	\$40.25
AAA500	500 ml	\$79.35
AAA999	1000 ml	\$113.85

Chromogens (IHC)

HRP

HRP Kits

AEC Chromogen/Substrate Bulk Kit

3-Amino-9-Ethylcarbazole (AEC) is a widely used chromogen for immunohistochemical staining and immunoblotting. When in the presence of peroxidase enzyme, AEC produces a vivid red end product that is soluble in alcohol and must be used with an aqueous counterstain and mounting media. This product is available in a two component form consisting of a liquid, refrigerator stable AEC Chromogen and AEC Substrate. Each component is individually stable for 18 months from the date of manufacture.

Catalog Number	Volume	Price
ACJ500	515 ml	\$120.75
ACJ999	1030 ml	\$175.95

AEC Chromogen/Substrate Kit

3-Amino-9-Ethylcarbazole (AEC) is a widely used chromogen for immunohistochemical staining and immunoblotting. When in the presence of peroxidase enzyme, AEC produces a vivid red end product that is soluble in alcohol and must be used with an aqueous counterstain and mounting media. This product is available in a two component form consisting of a liquid, refrigerator stable AEC Chromogen and AEC Substrate. Each component is individually stable for 18 months from the date of manufacture. This kit is formatted using convenient dropper-top vials.

Substrate Pack:
55ml Substrate (5 x 11 vials)
3ml AEC Chromogen

Catalog Number	Volume	Price
ACG500	500 Slides	\$50.60

DAB (Post) Enhancing Solution

This single component reagent is designed to be used in a post-staining procedure. After normal DAB development, if additional sensitivity is needed, the slides are simply dipped in this reagent for 1-2 minutes.

Catalog Number	Volume	Price
DES500	500 ml	\$56.35
DES999	1000 ml	\$87.40

DAB Away Kit

Contamination with Diaminobenzidine residue is a problem seen in many laboratories. Of particular concern to the technician is the reusable glassware and staining pads. This product completely removes the stain, rather than simply reduce the color intensity as the use of bleach does. The three component kit makes one liter of cleaning solution.

COMPONENTS:

DAB Reagent #1 - 125 ml
 DAB Reagent #2 - 125 ml
 Decolorizer - 250 ml

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
ACP001	500 ml	\$71.30

DAB Chromogen/Substrate Bulk pack

3,3'-Diaminobenzidine (DAB) Ready-to-Use

Is a widely used chromogen for immunohistochemical staining and immunoblotting. When in the presence of the peroxidase enzyme, DAB produces a brown precipitate that is insoluble in alcohol. Stained slides may be mounted in any commercially available permanent mounting media. This product is available in a convenient two component form.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
ACK500	530 ml	\$120.75
ACK999	1060 ml	\$175.95

DAB Chromogen/Substrate Bulk Pack (High Contrast)

This product has been developed for applications that require high contrast between the chromogen and Hematoxylin counterstain. The resulting stain is a darker brown than standard DAB and somewhat more sensitive. 3,3'Diaminobenzidine (DAB) is a widely used chromogen for immunohistochemical staining and immunoblotting. When in the presence of peroxidase enzyme, DAB produces a brown precipitate that is insoluble in alcohol. This product is available in a two component form consisting of a liquid, refrigerator stable DAB Chromogen and DAB Substrate (High Contrast). The use of liquid components reduces some risks associated with handling powders (ie. dust inhalation), and eliminates waste which often results from using tablets that require a predetermined final volume.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
ACV500	530 ml	\$198.95
ACV999	1060 ml	\$332.35

DAB Chromogen/Substrate Kit

3,3'-Diaminobenzidine (DAB) Ready-to-Use

Is a widely used chromogen for immunohistochemical staining and immunoblotting. When in the presence of the peroxidase enzyme, DAB produces a brown precipitate that is insoluble in alcohol. Stained slides may be mounted in any commercially available permanent mounting media. This product is available in a convenient two component form. For maximum flexibility, this product is available in bulk amounts or convenient dropper-top substrate packs.

Substrate Pack:

55ml DAB Substrate (x11 vials)
 3ml DAB Chromogen

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
ACH500	500 Slides	\$50.60

DAB Chromogen/Substrate Kit (High Contrast)

This product has been developed for applications that require high contrast between the chromogen and Hematoxylin counterstain. The resulting stain is a darker brown than standard DAB and somewhat more sensitive. ScyTek recommends using Hematoxyling for Automation (catalog # HAQ500) for optimal contrast. 3,3'Diaminobenzidine (DAB) is a widely used chromogen for immunohistochemical staining and immunoblotting. When in the presence of peroxidase enzyme, DAB produces a brown precipitate that is insoluble in alcohol. This product is available in a two component form consisting of a liquid, refrigerator stable DAB Chromogen and DAB Substrate (High Contrast). The standard working dilution is 50ul (0.9mg) of DAB Chromogen per 1ml of DAB Substrate (High Contrast), although the ratio can be adjusted as desired. The use of liquid components reduces some risks associated with handling powders (ie. dust inhalation), and eliminates waste which often results from using tablets that require a predetermined final volume. Once the two components are combined, the reagent can be used for up to six hours, making it ideal for automated stainers.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
ACT500	500 Slides	\$156.40

DAB Differentiating Solution

May be used for removal of excess DAB staining from tissue specimens.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
DDS500	500 ml	\$71.30

DAB Enhancer Solution

Is a single component reagent that is added to the DAB solution prior to incubation on the tissue section. One drop (50 microliters) of DAB Enhancer is added to each one ml of DAB Substrate.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
ACM030	30 ml	\$28.75

HRP Individual Reagents

AEC Chromogen Concentrate

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
ACD015	15 ml	\$87.40
ACD030	30 ml	\$127.65
ACD125	125 ml	\$190.90

DAB (Post) Enhancing Solution

This single component reagent is designed to be used in a post-staining procedure. After normal DAB development, if additional sensitivity is needed, the slides are simply dipped in this reagent for 1-2 minutes.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
DES500	500 ml	\$56.35
DES999	1000 ml	\$87.40

DAB Chromogen Concentrate

3,3'-Diaminobenzidine (DAB) Concentrate is a widely used chromogen for immunohistochemical staining and immunoblotting. When in the presence of the peroxidase enzyme, DAB produces a brown precipitate that is insoluble in alcohol. Stained slides may be mounted in any commercially available permanent mounting media. This product is available in a convenient two component form. For maximum flexibility, this product is available in bulk amounts or convenient dropper-top. Use with ScyTek catalog number ACC999, DAB Substrate.

Catalog Number	Volume	Price
ACB030	30 ml	\$87.40
ACB060	60 ml	\$127.65
ACB125	125 ml	\$212.75
ACB500	500 ml	\$754.40
ACB999	1000 ml	\$1,189.10

DAB Enhancer Solution

Is a single component reagent that is added to the DAB solution prior to incubation on the tissue section. One drop (50 microliters) of DAB Enhancer is added to each one ml of DAB Substrate.

Catalog Number	Volume	Price
ACM030	30 ml	\$28.75

DAB Substrate (High Contrast)

This product is available in a convenient two component form. For maximum flexibility, this product is available in bulk amounts or convenient dropper-top. Use with ScyTek catalog number ACB030, DAB Chromogen.

Catalog Number	Volume	Price
ACU250	250 ml	\$36.80
ACU500	500 ml	\$50.60
ACU999	1000 ml	\$87.40

DAB Substrate Buffer

This product is available in a convenient two component form. For maximum flexibility, this product is available in bulk amounts or convenient dropper-top. Use with ScyTek catalog number ACB030, DAB Chromogen.

Catalog Number	Volume	Price
ACC500	500 ml	\$36.80
ACC999	1000 ml	\$50.60

Alk-Phos

Alk-Phos Kits

Alk-Phos Blue Kit

Alk-Phos Blue is a chromogen for immunohistochemical staining and immunoblotting. When in the presence of alkaline phosphatase enzyme, Alk-Phos Blue produces a bright blue precipitate that may be permanently mounted with minimal loss of intensity.

Catalog Number	Volume	Price
APB-60	64 ml	\$98.90

BCIP/INT Solution

5-Bromo-4-Chloro-3-IndolylPhosphate/p-Iodonitrotetrazolium (BCIP/INT) Solution

Is a chromogen used in immunohistochemical and in-situ staining. This reagent is available as a single component, ready-to-use reagent. When in the presence of the Alkaline-Phosphatase enzyme, BCIP/INT produces a brown precipitate that is soluble in alcohol.

Catalog Number	Volume	Price
ACL125	125 ml	\$71.30
ACL500	500 ml	\$212.75
ACL999	1000 ml	\$354.20

BCIP/NBT Solution

5-Bromo-4-Chloro-3-Indolyl Phosphate/nitroblue Tetrazolium (BCIP/NBT) Solution

Is a widely used chromogen for immunohistochemical and in-situ staining. This reagent is available as a single component, ready-to-use reagent. When in the presence of the Alkaline-Phosphatase enzyme, BCIP/NBT produces a purple precipitate that is soluble in alcohol.

Catalog Number	Volume	Price
ACN125	125 ml	\$71.30
ACN500	500 ml	\$212.75
ACN999	1000 ml	\$354.20

Fast-Red Substrate Pack

Is a widely used chromogen for immunohistochemical staining and immunoblotting. When in the presence of the Alkaline-Phosphatase enzyme, Fast-Red produces a bright red precipitate that is soluble in alcohol and must be used with an aqueous mounting media (AMT030). For convenience, Fast-Red is available in a convenient pack or in economical larger volumes (1 tablet dissolved in 5ml of buffer).

Substrate Pack: 11 Fast-Red Tablets
55ml Naphthol Phosphate Buffer (5 x 11)

Catalog Number	Volume	Price
FR0001	1 kit(s)	\$106.95

New Fuchsin Kit

This is a chromogen for immunohistochemical staining and immunoblotting. When in the presence of alkaline phosphatase enzyme, New Fuchsin produces an intense red/fuchsia precipitate that may be permanently mounted.

Pack Includes:

64 ml 60ml Buffer
2ml New Fuchsin Concentrate
2ml Activator

430 ml 400ml Buffer
15ml New Fuchsin
15ml Activator

4,250 ml 4,000ml Buffer
125ml New Fuchsin
125ml Activator

Catalog Number	Volume	Price
NF0001	64 ml	\$98.90
NF0002	430 ml	\$282.90

Permanent Red Kit (For Alkaline Phosphatase)

Permanent Red (For Alkaline Phosphatase) is a two-component chromogen for immunohistochemical staining and immunoblotting. When in the presence of alkaline phosphatase enzyme, Permanent Red produces an intense red precipitate that is insoluble in alcohol and may be permanently mounted in synthetic resin. The working solution may be mixed for up to 2 hours prior to application making it suitable for automated staining.

Contents:

Catalog# PRD-15 1ml Permanent Red
15ml Buffer

Catalog# PRD-61 2ml Permanent Red
60ml Buffer

Catalog Number	Volume	Price
PRD-15	15 ml	\$49.45
PRD-61	61 ml	\$98.90

Alk-Phos Individual Reagents

Alkaline Phosphatase Enhancer

Is a single component, ready-to-use reagent which produces a several-fold increase in staining intensity. To use, simply incubate the tissue section for one minute in this reagent, just prior to incubation with Fast-Red, BCIP, or New Fuchsin.

Catalog Number	Volume	Price
APE125	125 ml	\$50.60
APE500	500 ml	\$98.90
APE999	1000 ml	\$127.65

BCIP/INT Solution

5-Bromo-4-Chloro-3-IndolylPhosphate/p-Iodonitrotetrazolium (BCIP/INT) Solution

Is a chromogen used in immunohistochemical and in-situ staining. This reagent is available as a single component, ready-to-use reagent. When in the presence of the Alkaline-Phosphatase enzyme, BCIP/INT produces a brown precipitate that is soluble in alcohol.

Catalog Number	Volume	Price
ACL125	125 ml	\$71.30
ACL500	500 ml	\$212.75
ACL999	1000 ml	\$354.20

BCIP/NBT Solution

5-Bromo-4-Chloro-3-Indolyl Phosphate/nitroblue Tetrazolium (BCIP/NBT) Solution

Is a widely used chromogen for immunohistochemical and in-situ staining. This reagent is available as a single component, ready-to-use reagent. When in the presence of the Alkaline-Phosphatase enzyme, BCIP/NBT produces a purple precipitate that is soluble in alcohol.

Catalog Number	Volume	Price
ACN125	125 ml	\$71.30
ACN500	500 ml	\$212.75
ACN999	1000 ml	\$354.20

Fast-Red Tablets

A widely used chromogen for immunohistochemical staining and immunoblotting. When in the presence of the Alkaline-Phosphatase enzyme, Fast-Red produces a bright red precipitate. Use these tablets in conjunction with Naphthol Phosphate Buffer (Item # NPB).

Catalog Number	Volume	Price
FRT025	25 ea.	\$50.60
FRT100	100 ea.	\$142.60
FRT999	1000 ea.	\$846.40

Naphthol Phosphate Buffer

Buffer for Fast Red Tablets (Item # FRT).

Catalog Number	Volume	Price
NPB125	125 ml	\$43.70
NPB500	500 ml	\$120.75
NPB999	1000 ml	\$185.15
NPB-20000	20 L	\$2,957.80

Naphthol Phosphate Buffer (High Contrast)

Buffer for Fast Red Tablets (catalog# FRT) that results in a more intense stain than when using catalog# NPB.

Catalog Number	Volume	Price
NPC125	125 ml	\$52.90
NPC500	500 ml	\$146.05
NPC999	1000 ml	\$212.75

Ancillary (IHC)

BRIJ 35 Solution (25-30%)

BRIJ 35 Solution is a nonionic polyoxyethylene surfactant used in a variety of protein methods. The reagent is an aqueous base containing 25-30% w/v proteomics grade BRIJ 35 making it optimal for use as a wetting agent in immunohistochemical reagents.

Catalog Number	Volume	Price
BRJ500	500 ml	\$67.85
BRJ999	1000 ml	\$108.10

Primary Antibody Dropper Vial

Provides a simple solution for storing and dispensing of diluted primary antibodies. Using a permanent marker, simply fill in the Antibody, Species, Date Manufactured, and the Expiration Date. Store diluted antibody at 2-8 C.

Contains: 1x15ml Vial, 1 Dropper Tip, 1 Green Cap, and 3 printed labels.

Catalog Number	Volume	Price
PAV015	1 ea.	\$3.45

Tween 20

Polyoxyethylenesorbitan Monolaurate - Tween 20.

Catalog Number	Volume	Price
TWN500	500 ml	\$33.35
TWN999	1000 ml	\$54.05

Water, Deionized/Distilled

Water for use in laboratory procedures has been deionized, distilled and filtered at 0.2 micrometer for critical assays.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
DDH999	1000 ml	\$23.00
DDH3800	1 Gal.	\$57.50
DDH-20000	20 L	\$74.75

Antibody Diluents and Stabilizers**Alk-Phos Stabilizing Diluent**

This reagent is formulated specifically for Alkaline Phosphatase conjugates. The product insures consistently high levels of activity for both the enzyme and the antibody following long-term storage at final dilution. This product has been chemically engineered to increase conjugate stability providing the customer a longer shelf life, resistance to various shipping conditions and storage temperatures. Alk-Phos Stabilizing Diluent is filtered at 0.2 um and reinforced with a non-mercury or azide-free preservative. Inquire about custom vialing, labeling, kit assembly and drop shipping.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
APD500	500 ml	\$78.20
APD999	1000 ml	\$127.65

Enzyme Label Diluent

Provided as a ready-to-use diluent for enzyme labeled antibodies and streptavidin/avidin enzyme conjugates. Diluted reagents can be stored at 2-8 deg. C for up to 18 months at immunohistochemical dilutions. This reagent is subjected to 0.2 micron filtration.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
ABI500	500 ml	\$71.30
ABI999	1000 ml	\$106.95

HRP Stabilizing Diluent (MOPS Buffered)

HRP Stabilizing Diluent (MOPS Buffered) has been developed specifically for the stabilization of Horseradish Peroxidase conjugates in solution. HRP Stabilizer prevents the loss of catalytic activity and maintains the conformation of the antibody or protein antigen portion of the conjugate. Product is filtered at 0.2 microns.

Contents: Aqueous, protein-containing diluent and stabilizer for Horseradish Peroxidase conjugates.

Preservative: 0.02% Bromonitrodioxane, 0.02% 2-Methyl-4-isothiazolin-3-one, 0.005% Proclin 300 (Proclin is a registered trademark of Rohm & Haas Company), and 0.0008% Neomycin.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
HSM125	125 ml	\$43.70
HSM500	500 ml	\$87.40
HSM999	1000 ml	\$135.70

HRP Stabilizing Diluent (Phosphate Buffered)

This product has been developed to significantly increase the shelf life of diluted peroxidase labeled proteins. Stability is increased at room temperature storage conditions in addition to 2-8 centigrade. This product is subjected to 0.45 micron filtration, and contains no mercury or azide. This formulation insures consistently high levels of activity for both the enzyme and the antibody following long-term storage at final-use dilution. HRP Stabilizer greatly improves the signal to noise ratios which increases the immunoassay sensitivity and offers cleaner assays. This product has been chemically engineered to increase conjugate stability providing the customer a longer shelf life, resistance to various shipping conditions & storage temperatures and improved day to day assay precision.

This product is recommended to be used in conjunction with ScyTek's proprietary Coating Stabilizer, Blocking Buffer (Super Block), Washing solution, TMB and Stopping Solution. All of the ELISA products are available in bulk quantities, including custom lot sizes up to 5000 liters. ScyTek Laboratories, Inc. specializes in custom manufacturing, vialing, labeling and packaging. Call today for a quote 800-729-8350.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
HSB500	500 ml	\$87.40
HSB999	1000 ml	\$135.70

Normal Antibody Diluent (Phosphate Buffered)

Provided as a ready-to-use diluent for primary antibodies and link/secondary antibodies. In most cases, antibodies diluted in this reagent can be stored at 4-8 deg. C for up to 18 months. Diluent is subjected to 0.2 micron filtration.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
ABB125	125 ml	\$36.80
ABB500	500 ml	\$71.30
ABB999	1000 ml	\$106.95

Normal Antibody Diluent (Tris Buffered)

Provided as a ready-to-use diluent for primary antibodies and link/secondary antibodies. In most cases, antibodies diluted in this reagent can be stored at 4-8 deg. C for up to 18 months. Diluent is subjected to 0.2 micron filtration.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
ADT125	125 ml	\$36.80
ADT500	500 ml	\$71.30
ADT999	1000 ml	\$106.95

Primary Antibody Diluent (Phosphate, Green)

Provided as a ready-to-use (Phosphate Buffered) diluent containing green dye for diluting primary antibodies and for use as a negative control. Both monoclonal and polyclonal antibodies are stabilized for long-term storage thereby reducing the number of titrations required from concentrated form. This product contains a highly purified carrier protein that minimizes proteolytic enzyme degradation, a wetting agent to reduce surface tension and an anti-microbial agent to prevent microbial growth. Not for antibodies that have been conjugated with peroxidase. In most cases, antibodies diluted in this reagent can be stored for 24 months at 2-8 C. Diluent is subjected to 0.2 micron filtration.

pH 7.4

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
APG125	125 ml	\$36.80
APG500	500 ml	\$71.30
APG999	1000 ml	\$106.95
APG010	10 L	\$704.95

Primary Antibody Diluent (Tris, Green)

Provided as a ready-to-use (Tris Buffered) diluent containing green dye for diluting primary antibodies and for use as a negative control. Both monoclonal and polyclonal antibodies are stabilized for long-term storage thereby reducing the number of titrations required from concentrated form. This product contains a highly purified carrier protein that minimizes proteolytic enzyme degradation, a wetting agent to reduce surface tension and an anti-microbial agent to prevent microbial growth. Not for antibodies that have been conjugated with peroxidase. In most cases, antibodies diluted in this reagent can be stored for 24 months at 2-8 C. Diluent is subjected to 0.2 micron filtration.

pH 7.4

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
ATG125	125 ml	\$36.80
ATG500	500 ml	\$71.30
ATG999	1000 ml	\$106.95
ATG-20000	20 L	\$1,267.30

Digestion Enzymes and Enhancers

Citrate Buffer (10x) pH 6.0

Citrate Buffer (10X) HIER Solution (pH 6.0) is a unique citrate buffer designed to significantly enhance immunohistochemical staining with many commercially available primary antibodies. Diluted 1:10 with deionized or distilled water, this product is easy to use and highly effective.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
CBB125	125 ml	\$21.85
CBB500	500 ml	\$43.70
CBB999	1000 ml	\$71.30

Citrate Plus (10x) HIER Solution

This is a unique citrate buffer designed to significantly enhance immunohistochemical staining with many commercially available primary antibodies. Diluted 1:10 with deionized or distilled water, this product is easy to use and highly effective. Citrate Plus (10X) can be used in a vegetable steamer, autoclave, or pressure cooker. However, for optimal results we recommend the autoclave or pressure cooker.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
CPL500	500 ml	\$88.55
CPL999	1000 ml	\$167.90

EDTA - Saline Buffer (10X Concentrate); pH 8.0

EDTA Buffer (10X) HIER Solution (pH 8.0) is a unique buffer designed to significantly enhance immunohistochemical staining with many commercially available primary antibodies. Diluted 1:10 with deionized or distilled water, this product is easy to use and highly effective.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
ETA500	500 ml	\$48.30
ETA999	1000 ml	\$92.00

Pepsin, Stabilized Solution

The tissue section is incubated 10 minutes at 37 deg. centigrade in this single component, ready-to-use solution. This product is stable for 12 months at 4 deg. Centigrade. Pepsin is a commonly used digestive enzyme for immunohistochemical procedures. This product is provided as a single component, ready-to-use solution.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
PSS060	60 ml	\$51.75
PSS125	125 ml	\$98.90

Tris-EDTA HIER Solution (10x) pH 9.0

Tris-EDTA HIER Solution (10x) pH 9.0 is a unique buffer designed to significantly enhance immunohistochemical staining with many commercially available primary antibodies. Diluted 1:10 with deionized or distilled water, this product is easy to use and highly effective.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
TES500	500 ml	\$51.75
TES999	1000 ml	\$98.90

Trypsin, Stabilized Solution

The tissue section is incubated 10 minutes at 37 deg. centigrade in this two component, ready-to-use solution. This product is stable for 9 months at 2-8 deg. Centigrade. This product contains 30 or 60 ml of Trypsin concentrate, and 125 or 250 ml of Buffer.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
TSS155	155 ml	\$56.35
TSS310	310 ml	\$106.95

Buffers

Phosphate Buffered Saline (10x) pH 7.4

ScyTek Phosphate Buffered Saline (10x) pH 7.4 is an optimal formulation of pH stabilizers and salts designed to effectively remove excess material from the microtiter plate wells without disrupting the ELISA binding reaction. By maintaining the proper buffering environment, unbound components can be washed away without suppressing antigen-antibody binding interactions, thereby reducing nonspecific background and increasing the specific signal. Our Wash buffers do not contain hazardous preservatives such as Azide or Mercury that may interfere with antibody-antigen binding interactions. For your convenience wash buffer is offered in a wide variety of formulations to meet the needs of your specific ELISA application. This product can be customized to meet the specific needs of your assay. Inquire about custom vialing, labeling, kit assembly and drop shipping.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
PBD500	500 ml	\$28.75
PBD999	1000 ml	\$43.70
PBD010	10 L	\$212.75
PBD-20000	20 L	\$395.60

Phosphate Buffered Saline (25x) pH 7.6

ScyTek Phosphate Buffered Saline (25x) pH of 7.6 is an optimal formulation of pH stabilizers and salts designed to effectively remove excess material from the microtiter plate wells without disrupting the ELISA binding reaction. By maintaining the proper buffering environment, unbound components can be washed away without suppressing antigen-antibody binding interactions, thereby reducing nonspecific background and increasing the specific signal. Our Wash buffers do not contain hazardous preservatives such as Azide or Mercury that may interfere with antibody-antigen binding interactions. For your convenience wash buffer is offered in a wide variety of formulations to meet the needs of your specific ELISA application. This product can be customized to meet the specific needs of your assay. Inquire about custom vialing, labeling, kit assembly and drop shipping.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
PBS125	125 ml	\$18.40
PBS500	500 ml	\$36.80
PBS999	1000 ml	\$56.35
PBS010	10 L	\$282.90
PBS-20000	20 L	\$508.30

Phosphate Buffered Saline plus Tween 20 (10x) pH 7.4

ScyTek Phosphate Buffered Saline + Tween 20 (10x) pH of 7.4 is an optimal formulation of pH stabilizers, salts and detergents designed to effectively remove excess material from the microtiter plate wells without disrupting the ELISA binding reaction. By maintaining the proper buffering environment, unbound components can be washed away without suppressing antigen-antibody binding interactions, thereby reducing nonspecific background and increasing the specific signal. Our Wash buffers do not contain hazardous preservatives such as Azide or Mercury that may interfere with antibody-antigen binding interactions. For your convenience wash buffer is offered in a wide variety of formulations to meet the needs of your specific ELISA application. This product can be customized to meet the specific needs of your assay. Inquire about custom vialing, labeling, kit assembly and drop shipping.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
PBE500	500 ml	\$28.75
PBE999	1000 ml	\$43.70
PBE010	10 L	\$212.75
PBE-20000	20 L	\$524.40

Phosphate Buffered Saline plus Tween 20 (20x) pH 7.6

ScyTek Wash buffer formulations are an optimal formulation of pH stabilizers, salts and detergents designed to effectively remove excess material from the microtiter plate wells without disrupting the ELISA binding reaction. By maintaining the proper buffering environment, unbound components can be washed away without suppressing antigen-antibody binding interactions, thereby reducing nonspecific background and increasing the specific signal. Our Wash buffers do not contain hazardous preservatives such as Azide or Mercury that may interfere with antibody-antigen binding interactions. For your convenience wash buffer is offered in a wide variety of formulations to meet the needs of your specific ELISA application. This product can be customized to meet the specific needs of your assay. Inquire about custom vialing, labeling, kit assembly and drop shipping.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
PBT500	500 ml	\$36.80
PBT999	1000 ml	\$56.35
PBT010	10 L	\$282.90
PBT-20000	20 L	\$508.30

Tris Buffered Saline (10x) pH 7.5

ScyTek Tris Buffered Saline (10x) pH of 7.5 is an optimal formulation of pH stabilizers, salts and detergents designed to effectively remove excess material from the microtiter plate wells without disrupting the ELISA binding reaction. By maintaining the proper buffering environment, unbound components can be washed away without suppressing antigen-antibody binding interactions, thereby reducing nonspecific background and increasing the specific signal. Our Wash buffers do not contain hazardous preservatives such as Azide or Mercury that may interfere with antibody-antigen binding interactions. For your convenience wash buffer is offered in a wide variety of formulations to meet the needs of your specific ELISA application. This product can be customized to meet the specific needs of your assay. Inquire about custom vialing, labeling, kit assembly and drop shipping.

Catalog Number	Volume	Price
TBD500	500 ml	\$36.80
TBD999	1000 ml	\$56.35
TBD010	10 L	\$282.90
TBD-20000	20 L	\$676.20

Tris Buffered Saline (25x) pH 7.4

ScyTek Tris Buffered Saline (25x) pH of 7.4 is an optimal formulation of pH stabilizers, salts and detergents designed to effectively remove excess material from the microtiter plate wells without disrupting the ELISA binding reaction. By maintaining the proper buffering environment, unbound components can be washed away without suppressing antigen-antibody binding interactions, thereby reducing nonspecific background and increasing the specific signal. Our Wash buffers do not contain hazardous preservatives such as Azide or Mercury that may interfere with antibody-antigen binding interactions. For your convenience wash buffer is offered in a wide variety of formulations to meet the needs of your specific ELISA application. This product can be customized to meet the specific needs of your assay. Inquire about custom vialing, labeling, kit assembly and drop shipping.

Catalog Number	Volume	Price
TBS500	500 ml	\$43.70
TBS999	1000 ml	\$71.30
TBS010	10 L	\$427.80
TBS-20000	20 L	\$769.50

Tris Buffered Saline plus Tween 20 (10x) pH 7.5

ScyTek Tris Buffered Saline + Tween 20 (10x) pH of 7.5 is an optimal formulation of pH stabilizers, salts and detergents designed to effectively remove excess material from the microtiter plate wells without disrupting the ELISA binding reaction. By maintaining the proper buffering environment, unbound components can be washed away without suppressing antigen-antibody binding interactions, thereby reducing nonspecific background and increasing the specific signal. Our Wash buffers do not contain hazardous preservatives such as Azide or Mercury that may interfere with antibody-antigen binding interactions. For your convenience wash buffer is offered in a wide variety of formulations to meet the needs of your specific ELISA application. This product can be customized to meet the specific needs of your assay. Inquire about custom vialing, labeling, kit assembly and drop shipping.

Catalog Number	Volume	Price
TBE500	500 ml	\$36.80
TBE999	1000 ml	\$56.35
TBE010	10 L	\$338.10
TBE-20000	20 L	\$608.58

Tris Buffered Saline plus Tween 20 (20x Concentrate) pH 7.4

ScyTek Tris Buffered Saline + Tween 20 (20x Concentrate) pH of 7.4 is an optimal formulation of pH stabilizers, salts and detergents designed to effectively remove excess material from the tissue sample or microtiter plate wells without disrupting the antibody binding reaction. By maintaining the proper buffering environment, unbound components can be washed away without suppressing antigen-antibody binding interactions, thereby reducing nonspecific background and increasing the specific signal. Our Wash buffers do not contain hazardous preservatives such as Azide or Mercury that may interfere with antibody-antigen binding interactions. For your convenience wash buffer is offered in a wide variety of formulations to meet the needs of your specific ELISA application.

Catalog Number	Volume	Price
TBT500	500 ml	\$43.70
TBT999	1000 ml	\$71.30
TBT010	10 L	\$427.80
TBT-20000	20 L	\$769.50

Mounting Media (IHC)

Aqueous Mount

Is formulated for coverslipping sections stained with alcohol soluble chromogens, such as Fast-Red or AEC. Available in convenient dropper top bottles. Coverslips can be removed by soaking in water. No heating is required before use.

Catalog Number	Volume	Price
AMT030	30 ml	\$23.00
AMT060	60 ml	\$43.70
AMT500	500 ml	\$212.75
AMT999	1000 ml	\$354.20

Aqueous Mount (Low Viscosity)

Is formulated for coverslipping sections stained with alcohol soluble chromogens, such as Fast-Red or AEC. Available in convenient dropper top bottles. Coverslips can be removed by soaking in water. No heating is required before use. Flows more freely than AMT.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
AML030	30 ml	\$23.00
AML060	60 ml	\$43.70
AML500	500 ml	\$212.75
AML999	1000 ml	\$354.20

Buffered Glycerol Mounting Media

Buffered glycerol for mounting fluorescent slides.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
GMM003	3 ml	\$13.80
GMM030	30 ml	\$26.45
GMM500	500 ml	\$159.85
GMM999	1000 ml	\$251.85

FluoreGuard Mounting Medium

FluoreGuard Mounting Medium is a water-soluble medium designed for semi-permanent coverslipping of fluorescent slide preparations. FluoreGuard dries to a semi-rigid layer which eliminates tissue damage due to moving coverslips and facilitates long term storage.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
FMM030	30 ml	\$46.00
FMM060	60 ml	\$66.70
FMM500	500 ml	\$299.00
FMM999	1000 ml	\$497.95

FluoreGuard Mounting Medium (Hard Set)

FluoreGuard Mounting Medium (Hard Set) is a water-soluble medium designed for semi-permanent coverslipping of fluorescent slide preparations. FluoreGuard dries to a semi-rigid layer which eliminates tissue damage due to moving coverslips and facilitates long term storage.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
FMH030	30 ml	\$46.00
FMH060	60 ml	\$66.70
FMH500	500 ml	\$299.00
FMH999	1000 ml	\$497.95

Permanent Mounting Media (Aqueous)

AEC and Fast Red are the most commonly used chromogens for peroxidase and alkaline phosphatase based immunostaining systems respectively. However, slides stained with these chromogens cannot be stored permanently. Permanent Mounting Medium (Aqueous) has been designed to overcome this limitation. This product is an aqueous mounting medium with a very high refractive index, which when applied to the stained tissue sections can store the tissue specimens permanently without fading of the chromogens. Because of the superior refractive index, tissues mounted in this medium look like dehydrated specimens. No coverslipping is required. However, if coverslipping is desired, dry slides can be post mounted using an organic based mounting medium. Advantages of this product include: no coverslip, no exposure to the organic fumes, permanent storage of slides and high resolution of tissue specimens. This reagent is compatible with AEC, DAB, Fast Red, BCIP/NBT, BCIP/INT and fluorescent dyes like FITC and phycobiliproteins. High pH ensures increased stability of fluorescence.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
PMT030	30 ml	\$43.70

Miscellaneous (IHC)

KP Marker Plus

Klinipath KP Marker Plus is a solvent resistant marking pen for permanent writing on glass slides, cassettes and other items in the laboratory. One box contains 12 pens.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
KPM-1	12 Pen(s)	\$72.45

PAP Pen

This marking pen has been designed to provide a thin film-like barrier when a circle is drawn around the specimen on a slide. This barrier creates the proper surface tension to hold an antibody solution within the target area on the slide. PAP Pen contains a special formulation which is insoluble in alcohol and acetone. It can be removed, if desired, by xylene after the staining procedure is completed.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
LP0001	1 ea.	\$87.40

PAP Pen-Mini

This marking pen has been designed to provide a thin film-like barrier when a circle is drawn around the specimen on a slide. This barrier creates the proper surface tension to hold an antibody solution within the target area on the slide. PAP Pen contains a special formulation which is insoluble in alcohol and acetone. It can be removed, if desired, by xylene after the staining procedure is completed.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
LP0002	1 ea.	\$56.35

Equipment (IHC)

Blue Base for Dissecting Board

To make dissecting more comfortable, this heavy-duty base is used to elevate the DissecTable Board to the right height. The bases are stackable and will not move sideways during the dissecting work. The base will also retain excess fluid if necessary.

Dimensions: 481 mm x 656 mm x 91 mm (19 1/4 x 26 1/4 x 3 5/8 in H)

Catalog Number	Volume	Price
M625	1 ea.	\$108.10

Cassettes in QuickLoad Sleeves

The sleeved cassettes are especially made to be used with ThermoFisher printers. Cassettes with tape are to be used with Leica and Sakura Ink Jet printers. Molded from a special high density acetal polymer, they keep specimens safely submerged and are totally resistant to the chemical action of solvents used in histology laboratories. The efficient flow-through slots maximize fluid exchange and ensure proper reagent drainage.

Catalog Number	Volume	Price
M480-11SL-ORANGE	1 ea.	\$167.90
M480-3SL-PINK	1 ea.	\$167.90
M480-10SL-GRAY	1 ea.	\$167.90
M480-12SL-AQUA	1 ea.	\$167.90
M480-2SL-WHITE	1 ea.	\$167.90
M480-4SL-GREEN	1 ea.	\$167.90
M480-5SL-YELLOW	1 ea.	\$167.90
M480-9SL-GRAY	1 ea.	\$167.90
M480-8SL-TAN	1 ea.	\$167.90
M480-6SL-BLUE	1 ea.	\$167.90
M480-7SL-PEACH	1 ea.	\$167.90

CoreDish for Lower GI Track Biopsies

For lower GI track biopsies. Twelve compartments. An area for patient information is provided. Ten labeled compartments: Proximal Flexure Colon, Hepatic Flexure Colon, Distal Transverse Colon, Ascending Colon, Splenic flexure Colon, Cecum, Descending Colon, Terminal Ileum, Rectum, Sigmoid Colon. Leakproof seal, thanks to O-ring lid, allows for safe and easy transport of the specimens from collection to analysis.

Made of polystyrene.

Qty/Cs 10

Catalog Number	Volume	Price
M971-D12LGI	1 Case(s)	\$81.65
M970-D12LGIREFIL	1 Case(s)	\$81.65

CoreDish for Prostate Biopsies

Few recommendations concerning how the biopsies should be handled have been published. Performing a large number of biopsies means an increase in the number of containers handled and consequently a technical overload of the transmission network, which occurs without any financial counterpart. A new approach had to be developed in order to increase productivity.

Simport is proud to offer a multi-compartment container for prostate biopsies. The CoreDish is in the shape of a dish measuring only 15 mm high x 95 mm diameter and is half prefilled with 10% Neutral Buffered Formalin. The screw on lid incorporates an O-ring in order to make it leakproof and protect its contents. The CoreDish conforms to OSHA directives. An area for patient information is provided on the label. Each compartment is clearly identified to allow proper placement and visualization of the prostate biopsy being inserted. Out of eight compartments, six are labeled: Base, Lateral Base, Medial, Lateral Medial, Apex, Lateral Apex.

Thanks to the CoreDish it is no more necessary to use a multitude of individual containers, thereby reducing risks of confusion.

Qty/Cs 10

Catalog Number	Volume	Price
M971-D8P	1 Case(s)	\$81.65
M970-D8P-PREFILLE	1 Case(s)	\$81.65

CoreDish Prostate Biopsy Container with 10% Formalin

Few recommendations concerning how the biopsies should be handled have been published. Performing a large number of biopsies means an increase in the number of containers handled and consequently a technical overload of the transmission network, which occurs without any financial counterpart. A new approach had to be developed in order to increase productivity.

Simport is proud to offer a multi-compartment container for prostate biopsies. The CoreDish is in the shape of a dish measuring only 15 mm high x 95 mm diameter and is half prefilled with 10% Neutral Buffered Formalin. The screw on lid incorporates an O-ring in order to make it leakproof and protect its contents. The CoreDish conforms to OSHA directives. An area for patient information is provided on the label. Each compartment is clearly identified to allow proper placement and visualization of the prostate biopsy being inserted. All twelve compartments are labeled:

L Base, R Base, L Lateral Base, R Lateral Base, L Lateral Medial, L Medial, R Medial, R Lateral Medial, L Lateral Apex, L Apex, R Apex, R Lateral Apex.

Thanks to the CoreDish it is no more necessary to use a multitude of individual containers, thereby reducing risks of confusion.

Made of polystyrene.

Qty/Cs 10

Catalog Number	Volume	Price
M970-D12P-PREFILL	1 Case(s)	\$81.65
M971-D12P	1 Case(s)	\$81.65

CoreDish Upper GI Tract

Upper GI track biopsy container with 10% formalin. For upper GI track biopsies. Eight compartments. An area for patient information is provided. Seven labeled compartments: Gastric Card, Gastric Body, GE Junction, Gastric ATR, Distal Esophage, Pylorus, Duodeum. Leakproof seal, thanks to O-ring lid, allows for safe and easy transport of the specimens from collection to analysis. 10 per case.

Made of polystyrene.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
M971-D8UGI	1 Case(s)	\$81.65
M970-D8UGI-PREFIL	1 Case(s)	\$81.65

Dissecting Board

A new and unique approach makes this dissecting board more convenient than any other found on the market today. It is no more necessary to buy different sizes as this board offers a large surface on one side and two smaller ones on the other side.

Made of heavy-duty stain resistant thick polyethylene, it will last for years to come without changing shape, bending or swelling. Will not dull fine surgical blades. In order to contain fluids, a drain groove is carved all around the edge of the DissecTable.

On one side, you will find a large cutting area including dimensional scales in inches and centimeters, along with a 60 x 80 mm grid made of 48 x 10 mm squares. Six dimensional circles are also printed from 1/8 to 5/8 in. and 4 to 14 mm in diameter. Flip it over and the other side offers two cutting boards half the size with the same dimensional features printed on each one of them. All corners have rubber feet giving more stability to the working surface.

Dimensions: 575 mm x 400 mm x 12.5 mm (23 x 16 x 1/2 in H)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
M620	1 ea.	\$131.10

Dissecting Board Jr.

A smaller DissecTable is also available with the same features and benefits as the M620. Perfect for smaller counter area.

Dimensions: 330.2 mm x 279.4 mm x 12.5 mm (13 x 11 x 1/2 in H)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
M618	1 ea.	\$115.00

EasyDip Slide Staining System

Finally a user-friendly approach for staining your microscope slides, the EasyDip Slide Staining System has two components: a square staining jar and a 12 - position vertical slide rack. Jars can be loosely joined to each other laterally, therefore making sure they are kept in the same order when moved around on the lab counter. As an extra benefit, they are available in 5 different colors to help better identifying contents or applications.

The staining jar being made of resistant acetal plastic will not break like most glass jars do. It will resist most staining agents including alcohol and xylene (but not phenol, iodine or ferric chloride). The wide stable base offers greater stability while the inside is recessed, allowing for a smaller reagent volume of only 80 ml. Easy to clean and no metals to corrode. Ideal for special stains, frozen sections and special processes. Will resist temperatures between -170 C and +121 C. Autoclavable. Dimensions: 64 x 76 x 92 mm H (2 1/2 x 3 x 3 5/8 in. H).

Each case includes 5 jars (one of each color) and 1 rack M905-12DGY.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
M900-12Y-YELLOW	1 Case(s)	\$78.20
M900-12W-WHITE	1 Case(s)	\$78.20
M900-12P-PINK	1 Case(s)	\$78.20
M900-12G-GREEN	1 Case(s)	\$78.20
M900-12B-BLUE	1 Case(s)	\$78.20
M900-12AS-ASSORT	1 Case(s)	\$90.85

EASYDIP Stainless Steel Holder

Made of Stainless Steel. Will hold up to 6 Jars.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
M906	1 ea.	\$77.05

Embedding Cassettes

Disposable plastic tissue cassettes are suitable for holding and identifying tissue samples in processing, embedding, and sectioning procedures. The cassettes fit securely in microtome chuck adapters. They are molded from a high density polymer that is totally resistant to the chemical action of histological solvents. These cassettes are designed to accept standard metal lids (cat.# M481) and will keep specimens in complete safety during processing. The slanted writing surface accepts markings easily, permitting sample identification throughout all stages of embedding and long afterwards when in archives. They are available in 11 colors. Each case contains 3 dispenser boxes of 500 cassettes.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
M480-11-ORANGE	1 ea.	\$103.50
M480-4-GREEN	1 ea.	\$103.50
M480-2-WHITE	1 ea.	\$103.50
M480-7-PEACH	1 ea.	\$103.50
M480-12-AQUA	1 ea.	\$103.50
M480-5-YELLOW	1 ea.	\$103.50
M480-3-PINK	1 ea.	\$103.50
M480-6-BLUE	1 ea.	\$103.50
M480-9-GRAY	1 ea.	\$103.50
M480-8-TAN	1 ea.	\$103.50
M480-10-LILAC	1 ea.	\$103.50

Metal Lid for M480 Cassette

Metal Lid for M480 Cassette.
Qty/Pk 25

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
M481	1 ea.	\$65.55

Slide Master

(An Innovative Immunohistochemistry Humidity Chamber)

ScyTek Laboratories, Inc. proudly introduces SlideMaster. A humidity chamber designed by a histotechnologist that eliminates the majority of individual slide handling.

SlideMaster has three different parts: A humidity chamber, two individual slide holders with white contrast bars, and a waste receptacle. It has been designed so that all three components are compact and easy to use. A maximum of 20 slides can be used per unit.

This is how it works. A hydrophobic barrier (PAP Pen, Catalog #LP0001) is drawn around the tissue section and slides are put in a special slide holder that secures them into place. Drops of antibody are placed on the slides and incubated. After incubation, the individual slide holders can be tilted and secured at a 45 degree angle. All 20 slides are rinsed off in one easy motion and the buffer (PBS-Tween 20, Catalog # ABA125 or TBS-Tween 20, Catalog # TBS125) drains into the waste receptacle. Slides are gently blotted (tissue paper) at the bottom portion of the hydrophobic barrier, which draws off any remaining liquid on the tissue. The slide holders are then placed back in the horizontal position and incubation and rinse steps are repeated in the same fashion.

For chromogen development, the SlideMaster unit has a contrast bar that changes the background from black to white. The black background produces high contrast so that the tissues mounted glass slides can be easily seen, and the white background produces high contrast and allows the technician to monitor the chromogen development. Slides are then rinsed and counterstained and are then ready for coverslipping. SlideMaster is very easy to use. It is light weight and durable.

By making the hydrophobic barrier around the tissue section as small as possible, the total volume of antibody reagent can be significantly reduced per slide. Instead of using 100-200 microliters of antibodies per tissue section usually 50 microliters will completely cover small tissues and 100 microliters will cover larger tissues. With this method, slide staining is much more efficient, more consistent, drying-out of slides is minimized, and the cost of reagents is reduced.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
E00001	1 ea.	\$562.35

Slidefile Storage System 100 Positions

Each SlideFile Storage System includes a slide box and a removable tray. A tinted hinged cover makes the contents of the box easy to see at a glance. The base is available in five different colors to help in slide classification and to minimize the possibility of sample mix-up.

The key to the SlideFile System is a removable tray inside the storage box having a hundred individual numbered slots. All slides are stored upright for easier insertion and removal. Simply tilt them forward and backward with one finger to easily and rapidly pick up the slide you need. A unique feature with this system is to be able to read bar codes without having to remove the slides from the box.

For space saving purposes, you can double the amount of slides simply by storing two slides per slot. For maximum storage space, simply remove the tray and line up 400 slides in 3 rows for long term storage. Will resist temperatures between -80 C and +80 C. Not autoclavable.

Dimensions: 82 x 245 x 86 mm H (3 1/4 x 9 5/8 x 3 3/8 in. H)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
M700-100W-WHITE	1 Case(s)	\$102.35

Stain Tray Slide Staining System

Made of ABS Plastic

Another user friendly approach to immunohistochemistry staining. This tray is also suitable not only for routine staining requiring a humid chamber but is also ideal for Hematology, Cytology and Microbiology laboratories. Manipulation is made safe and easy by using only one hand.

The StainTray has a black base made of tough ABS plastic withstanding a wide range of chemicals (Avoid chlorinated hydrocarbons). It will accept up to 20 slides on four plastic rails covered with a polymer strip to perfectly hold slides even if tray is held at an angle. When humidity is needed, wells between rails will hold up to one ml of water securely without splashing. Middle wells will hold up to 2 ml each. Rails are raised not only to avoid water touching the slides but to make them more easily retrieveable. The base will also hold excess stain solution dripping from the slides. Four rubber feet ensure greater base stability. Units are stackable for space saving purposes.

Two covers are available:

A clear one (M920-1) allowing for visual examination. Made of PETG with a temperature range of -20 C to +60 C.

A black lid (M920-2) for fluorescent work. Made of ABS with a temperature range of -80 C to +80 C.

Dimensions with cover: 38 W x 24 D x 4.5 H cm (15 W x 9 3/8 D x 1 3/4 H in.)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
M920-1	1 Clear	\$271.40
M920-2	1 Black	\$284.05

Vertical Slide Staining Rack Dark Gray

The EasyDip Slide Staining Rack will hold up to 12 microscope slides with dimensions such as 75 x 25 mm, (3 x 1 in.) and even 76 x 26 mm and with a thickness of 1.0 and 1.2 mm. The slides fit into individual slots for free passage and rapid drainage of staining fluids. Since they are placed vertically in the rack and not horizontally, their writing area will not be stained by the fluid, allowing their removal without the use of forceps. The lid completely covers the EasyDip Slide Staining Jar to minimize spill and evaporation. A handle is permanently attached to the rack for easy insertion and removal of slides without your fingers touching the solution. Available in dark gray only. Will resist temperatures between -170 C and +121 C. Autoclavable. Dimensions: 60 x 64 x 97 mm H (2 1/4 x 2 1/2 x 3 3/4 in. H).

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
M905-12DGY	1 Case(s)	\$96.60

Antibodies

Research Antibodies

Monoclonal Concentrate

ACTH (Adrenocorticotrophic Hormone); Clone 2F6 (Concentrate)

Species: Mouse
 Immunogen: Synthetic peptide corresponding to aa 1-24 of human ACTH
 Clone: 2F6
 Isotype: IgG1, kappa
 Species Reactivity: Human, Mouse, and Rat. Expected to show a broad species reactivity.
 Positive Control: Normal pituitary gland or pituitary tumor.
 Specificity: This antibody is specific to Synacthen (aa 1-24 of ACTH); this antibody does not react with CLIP (aa 17-39 of ACTH). Anti-ACTH is a useful marker in classification of pituitary tumors and in the study of pituitary disease. It reacts with ACTH-producing cells (corticotrophs). It also may react with other tumors (e.g. some small cell carcinomas of the lung) causing paraneoplastic syndromes by secreting ACTH.
 Status: RUO

Catalog Number	Volume	Price
RA0267-C.1	0.1 ml	\$75.00
RA0267-C.5	0.5 ml	\$239.00

ACTH (Adrenocorticotrophic Hormone); Clone 57 (Concentrate)

Species: Mouse
 Immunogen: N-terminal fragment of human ACTH conjugated to KLH
 Clone: 57
 Isotype: IgG1, kappa
 Species Reactivity: Human and Rat. Expected to show a broad species reactivity.
 Positive Control: Normal pituitary gland or pituitary tumor.
 Specificity: This antibody is specific to Synacthen (aa 1-24 of ACTH); this antibody does not react with CLIP (aa 17-39 of ACTH). Anti-ACTH is a useful marker in classification of pituitary tumors and in the study of pituitary disease. It reacts with ACTH-producing cells (corticotrophs). It also may react with other tumors (e.g. some small cell carcinomas of the lung) causing paraneoplastic syndromes by secreting ACTH.
 Status: RUO

Catalog Number	Volume	Price
RA0266-C.1	0.1 ml	\$75.00
RA0266-C.5	0.5 ml	\$239.00

ACTH (Adrenocorticotrophic Hormone); Clone AH26 & 57 (Concentrate)

Species: Mouse
 Immunogen: Synthetic peptide corresponding to aa 1-24 of human ACTH (AH26); N-terminal fragment of human ACTH conjugated to KLH (57).
 Clone: AH26 & 57
 Isotype: IgG1, kappa (AH26); IgG1, kappa (57).
 Species Reactivity: Human, Mouse, and Rat. Expected to show a broad species reactivity.
 Positive Control: Normal pituitary gland or pituitary tumor.
 Specificity: This antibody is specific to Synacthen (aa 1-24 of ACTH); this antibody does not react with CLIP (aa 17-39 of ACTH). Anti-ACTH is a useful marker in classification of pituitary tumors and in the study of pituitary disease. It reacts with ACTH-producing cells (corticotrophs). It also may react with other tumors (e.g. some small cell carcinomas of the lung) causing paraneoplastic syndromes by secreting ACTH.
 Status: RUO

Catalog Number	Volume	Price
RA0268-C.1	0.1 ml	\$75.00
RA0268-C.5	0.5 ml	\$239.00

ACTH (Adrenocorticotrophic Hormone); Clone AH26 (Concentrate)

Species: Mouse
 Immunogen: Synthetic peptide corresponding to aa 1-24 of human ACTH
 Clone: AH26
 Isotype: IgG1, kappa
 Species Reactivity: Human, Mouse and Rat. Expected to show a broad species reactivity.
 Positive Control: Normal pituitary gland or pituitary tumor.
 Specificity: This antibody is specific to Synacthen (aa 1-24 of ACTH); this antibody does not react with CLIP (aa 17-39 of ACTH). Anti-ACTH is a useful marker in classification of pituitary tumors and in the study of pituitary disease. It reacts with ACTH-producing cells (corticotrophs). It also may react with other tumors (e.g. some small cell carcinomas of the lung) causing paraneoplastic syndromes by secreting ACTH.
 Status: RUO

Catalog Number	Volume	Price
RA0265-C.1	0.1 ml	\$75.00
RA0265-C.5	0.5 ml	\$239.00

Actin, Muscle Specific (Muscle Cell Marker); Clone HHF35 (Concentrate)

Species: Mouse
 Immunogen: SDS extract of human myocardium.
 Clone: HHF35
 Isotype: IgG1, kappa
 Species Reactivity: Human, Rabbit, and Rat. Others not known.
 Positive Control: Muscle or sarcoma.
 Specificity: This antibody recognizes actin of skeletal, cardiac, and smooth muscle cells. It is not reactive with other mesenchymal cells except for myoepithelium.
 Status: RUO

Catalog Number	Volume	Price
RA0405-C.1	0.1 ml	\$75.00
RA0405-C.5	0.5 ml	\$239.00

Actin, Muscle Specific (Muscle Cell Marker); Clone MSA/953 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human actin protein.
 Clone: MSA/953
 Isotype: IgG1, kappa
 Species Reactivity: Human, Rabbit, and Rat. Others not known.
 Positive Control: Muscle or sarcoma.
 Specificity: This antibody recognizes actin of skeletal, cardiac, and smooth muscle cells. It is not reactive with other mesenchymal cells except for myoepithelium.
 Status: RUO

Catalog Number	Volume	Price
RA0406-C.1	0.1 ml	\$75.00
RA0406-C.5	0.5 ml	\$239.00

Actin, Smooth Muscle (Leiomyosarcoma Marker); Clone 1A4 (Concentrate)

Species: Mouse
 Immunogen: N-terminal decapeptide of alpha smooth muscle isoform of actin and conjugated to KLH.
 Clone: 1A4
 Isotype: IgG2a, kappa
 Species Reactivity: Human, Baboon, Monkey, Cow, Pig, Sheep, Goat, Cat, Dog, Rabbit, Mouse, Rat, Guinea Pig and Chicken. Others not known.
 Positive Control: Blood vessels in all tissues, smooth muscle or leiomyosarcoma.
 Specificity: This MAb is highly specific to actin from smooth muscles. Its epitope lies in the first four N-terminal amino acids. This MAb does not stain cardiac or skeletal muscle; however, it does stain myofibroblasts and myoepithelial cells. In most cases of rhabdomyosarcoma, this antibody yields negative results whereas anti-muscle specific actin and myogenin are positive. Leiomyosarcomas are positive only with anti-muscle specific actin and anti-smooth muscle actin and are negative with anti-myogenin.
 Status: RUO

Catalog Number	Volume	Price
RA0001-C.1	0.1 ml	\$75.00
RA0001-C.5	0.5 ml	\$239.00

Actin, Smooth Muscle (Leiomyosarcoma Marker); Clone ACTA2/791 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human ACTA2 protein
 Clone: ACTA2/791
 Isotype: IgG2a, kappa
 Species Reactivity: Human. Shows a broad reactivity.
 Positive Control: Blood vessels in all tissues, smooth muscle or leiomyosarcoma.
 Specificity: This MAb is highly specific to actin from smooth muscles. This MAb does not stain cardiac or skeletal muscle; however, it does stain myofibroblasts and myoepithelial cells. In most cases of rhabdomyosarcoma, this antibody yields negative results whereas anti-muscle specific actin and myogenin are positive. Leiomyosarcomas are positive only with anti-muscle specific actin and anti-smooth muscle actin and are negative with anti-myogenin.
 Status: RUO

Catalog Number	Volume	Price
RA0002-C.1	0.1 ml	\$75.00
RA0002-C.5	0.5 ml	\$239.00

AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker); Clone C3 (Concentrate)

Species: Mouse
 Immunogen: Alpha fetoprotein (AFP) purified from serum of a hepatoma patient
 Clone: C3
 Isotype: IgG2a, kappa
 Species Reactivity: Human, Monkey, Dog, and Pig. It does not react with Cow, Dog, Mouse, and Rat.
 Positive Control: Hep-G2 cells. Fetal liver or hepatocellular carcinoma.
 Specificity: This MAb is highly specific to AFP and shows no cross-reaction with other oncofetal antigens or serum albumin.
 Status: RUO

Catalog Number	Volume	Price
RA0003-C.1	0.1 ml	\$75.00
RA0003-C.5	0.5 ml	\$239.00

AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker); Clone FETA/810 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human alpha fetoprotein
 Clone: FETA/810
 Isotype: IgG2a, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Hep-G2 cells. Fetal liver or hepatocellular carcinoma.
 Specificity: This MAb recognizes an oncofetal glycoprotein with a single chain of 70kDa, which is identified as alpha fetoprotein (AFP). It is highly specific to AFP and shows no cross-reaction with other oncofetal antigens or serum albumin.
 Status: RUO

Catalog Number	Volume	Price
RA0004-C.1	0.1 ml	\$75.00
RA0004-C.5	0.5 ml	\$239.00

AMACR / p504S (Prostate Cancer Marker); Clone 13H4 (Concentrate)

Species: Rabbit
 Immunogen: Recombinant full length human AMACR protein
 Clone: 13H4
 Isotype: IgG
 Species Reactivity: Human. Others not known.
 Positive Control: HEK cells or Prostate Adenocarcinoma.
 Specificity: This antibody recognizes a protein of 54kDa, which is identified as AMACR, also known as p504S.
 Status: RUO

Catalog Number	Volume	Price
RA0353-C.1	0.1 ml	\$75.00
RA0353-C.5	0.5 ml	\$189.00

**AMP Deaminase, Isoform E (AMPD3)
(Erythroid Marker); Clone AMPD3/901
(Concentrate)**

Species: Mouse
Immunogen: Recombinant human AMPD3 protein
Clone: AMPD3/901
Isotype: IgG2b, kappa
Species Reactivity: Human. Others not known.
Positive Control: RBC. Fetal liver; Spleen or Placenta.
Specificity: This antibody recognizes a protein of ~90kDa, which is identified as Adenosine Monophosphate Deaminase, isoform E (AMPD3).
Status: RUO

Catalog Number	Volume	Price
RA0423-C.5	0.5 ml	\$239.00

**Androgen Receptor (Marker of Androgen
Dependence); Clone AR441 & DHTR/882
(Concentrate)**

Species: Mouse
Immunogen: A synthetic peptide, aa 299-315, (STEDTAEYSPFKGGYTK) of human AR (AR441); Recombinant human DHTR protein (DHTR/882)
Clone: AR441 & DHTR/882
Isotype: IgG1, kappa & IgG1, kappa
Species Reactivity: Human. Does not react with mouse. Others not known
Positive Control: LNCap cells or Prostate carcinoma
Specificity: Recognizes a protein of 110kDa, which is identified as androgen receptor (AR). It reacts with full length, and the newly described A form of the receptor. It does not cross react with estrogen, progesterone, or glucocorticoid receptors.
Status: RUO

Catalog Number	Volume	Price
RA0012-C.1	0.1 ml	\$75.00
RA0012-C.5	0.5 ml	\$239.00

**Androgen Receptor (Marker of Androgen
Dependence); Clone AR441 (Concentrate)**

Species: Mouse
Immunogen: A synthetic peptide, aa 299-315, (STEDTAEYSPFKGGYTK) of human AR
Clone: AR441
Isotype: IgG1, kappa
Species Reactivity: Human. Does not react with mouse. Others not known.
Positive Control: LNCap cells or Prostate carcinoma.
Specificity: Recognizes a protein of 110kDa, which is identified as androgen receptor (AR). It reacts with full length, and the newly described A form of the receptor. It does not cross react with estrogen, progesterone, or glucocorticoid receptors.
Status: RUO

Catalog Number	Volume	Price
RA0010-C.1	0.1 ml	\$75.00
RA0010-C.5	0.5 ml	\$239.00

**Androgen Receptor (Marker of Androgen
Dependence); Clone DHTR/882 (Concentrate)**

Species: Mouse
Immunogen: Recombinant human DHTR protein
Clone: DHTR/882
Isotype: IgG1, kappa
Species Reactivity: Human. Does not react with mouse. Others not known.
Positive Control: LNCap cells or Prostate carcinoma
Specificity: Recognizes a protein of 110kDa, which is identified as androgen receptor (AR). It reacts with full length, and the newly described A form of the receptor. It does not cross react with estrogen, progesterone, or glucocorticoid receptors.
Status: RUO

Catalog Number	Volume	Price
RA0011-C.1	0.1 ml	\$75.00
RA0011-C.5	0.5 ml	\$239.00

**Bax (Apoptosis Marker); Clone 2D2
(Concentrate)**

Species: Mouse
Immunogen: A synthetic peptide, aa 3-16 (Cys-GSGEQPRGGGPTSS) of human bax protein.
Clone: 2D2
Isotype: IgG1
Species Reactivity: Human and Monkey. Does not react with mouse and rat. Others not known.
Positive Control: Jurkat, K562, HL-60, or HeLa Cells. Reed-Sternberg cells in Hodgkin's lymphoma.
Specificity: Recognizes a protein of 21kDa, identified as the Bax protein. This MAb is highly specific to Bax and shows no cross-reaction with Bcl-2 or Bcl-X protein.
Status: RUO

Catalog Number	Volume	Price
RA0013-C.1	0.1 ml	\$75.00
RA0013-C.5	0.5 ml	\$239.00

**BCL10 (MALT-Lymphoma Marker); Clone
BL10/411 (Concentrate)**

Species: Mouse
Immunogen: Human BCL10 recombinant protein (epitope aa 122-168)
Clone: BL10/411
Isotype: IgG1, kappa
Species Reactivity: Human. Others not known.
Positive Control: WEHI-231 or Ramos cells or lymphoma.
Specificity: This antibody labels subpopulations of normal B-cells and T-cells and is a useful tool for the sub-classification of lymphomas.
Status: RUO

Catalog Number	Volume	Price
RA0347-C.1	0.1 ml	\$75.00
RA0347-C.5	0.5 ml	\$239.00

Bcl-2 (Apoptosis & Follicular Lymphoma Marker); Clone 100/D5 & 124 (Concentrate)

Species: Mouse
 Immunogen: A synthetic peptide, aa41-54 (GAAPAPGIFSSQPG-Cys) of human Bcl-2 (100/D5 & 124)
 Clone: 100/D5 & 124
 Isotype: IgG1, kappa (100/D5); IgG1, kappa (124)
 Species Reactivity: Human. Does not react with mouse and rat. Others not known.
 Positive Control: Jurkat, K562, HL-60, or HeLa Cells. Tonsil or follicular lymphomas.
 Specificity: This antibody recognizes a protein of 25-26kDa, identified as the Bcl-2 alpha oncoprotein. It shows no cross-reaction with Bcl-x or Bax protein.
 Status: RUO

Catalog Number	Volume	Price
RA0017-C.1	0.1 ml	\$75.00
RA0017-C.5	0.5 ml	\$239.00

Bcl-2 (Apoptosis & Follicular Lymphoma Marker); Clone 100/D5 & BCL2/796

Species: Mouse
 Immunogen :A synthetic peptide, aa41-54 (GAAPAPGIFSSQPG-Cys) of human Bcl-2 protein (100/D5); Recombinant human Bcl-2 protein (BCL2/796).
 Clone: 100/D5 & BCL2/796
 Isotype:IgG1, kappa (100/D5); IgG1, kappa (BCL2/796).
 Species Reactivity:Human. Others not known.
 Positive Control:Jurkat, K562, HL-60, or HeLa Cells. Tonsil or follicular lymphomas.
 Specificity:This antibody recognizes a protein of 25-26kDa, identified as the Bcl-2 alpha oncoprotein. It shows no cross-reaction with Bcl-x or Bax protein.
 Status: RUO

Catalog Number	Volume	Price
RA0020-C.1	0.1 ml	\$75.00
RA0020-C.5	0.5 ml	\$239.00

Bcl-2 (Apoptosis & Follicular Lymphoma Marker); Clone BCL2/782 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human Bcl-2 protein
 Clone: BCL2/782
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Jurkat, K562, HL-60, or HeLa Cells. Tonsil or follicular lymphomas.
 Specificity: This antibody recognizes a protein of 25-26kDa, identified as the Bcl-2 alpha oncoprotein. It shows no cross-reaction with Bcl-x or Bax protein.
 Status: RUO

Catalog Number	Volume	Price
RA0018-C.1	0.1 ml	\$75.00
RA0018-C.5	0.5 ml	\$239.00

Bcl-2 (Apoptosis & Follicular Lymphoma Marker); Clone BCL2/796 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human Bcl-2 protein
 Clone: BCL2/796
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Jurkat, K562, HL-60, or HeLa Cells. Tonsil or follicular lymphomas.
 Specificity: This antibody recognizes a protein of 25-26kDa, identified as the Bcl-2 alpha oncoprotein. It shows no cross-reaction with Bcl-x or Bax protein.
 Status: RUO

Catalog Number	Volume	Price
RA0019-C.1	0.1 ml	\$75.00
RA0019-C.5	0.5 ml	\$239.00

Bcl-2 (Apoptosis and Follicular Lymphoma Marker); Clone 100/D5 (Concentrate)

Species: Mouse
 Immunogen: A synthetic peptide, aa41-54 (GAAPAPGIFSSQPG-Cys) of human Bcl-2 protein.
 Clone: 100/D5
 Isotype: IgG1, kappa
 Species Reactivity: Human. Does not react with Mouse and Rat. Others not known.
 Positive Control: Jurkat, K562, HL-60, or HeLa Cells. Tonsil or follicular lymphomas.
 Specificity: This antibody recognizes a protein of 25-26kDa, identified as the Bcl-2 alpha oncoprotein. It shows no cross-reaction with Bcl-x or Bax protein.
 Status: RUO

Catalog Number	Volume	Price
RA0015-C.1	0.1 ml	\$75.00
RA0015-C.5	0.5 ml	\$239.00

Bcl-2 (Apoptosis and Follicular Lymphoma Marker); Clone 124 (Concentrate)

Species: Mouse
 Immunogen: A synthetic peptide, aa41-54 (GAAPAPGIFSSQPG-Cys) of human Bcl-2 protein
 Clone: 124
 Isotype: IgG1, kappa
 Species Reactivity: Human. Does not react with Mouse and Rat. Others not known.
 Positive Control: Jurkat, K562, HL-60, or HeLa Cells. Tonsil or follicular lymphomas.
 Specificity: This antibody recognizes a protein of 25-26kDa, identified as the Bcl-2 alpha oncoprotein. It shows no cross-reaction with Bcl-x or Bax protein.
 Status: RUO

Catalog Number	Volume	Price
RA0016-C.1	0.1 ml	\$75.00
RA0016-C.5	0.5 ml	\$239.00

Bcl-6 (Follicular Lymphoma Marker); Clone IG191E/A8 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human bcl-6 protein
 Clone: IG191E/A8
 Isotype: IgG1, kappa
 Species Reactivity: Human and Mouse. Others not known.
 Positive Control: Raji or Ramos cells. Tonsil or Hodgkin's lymphoma.
 Specificity: Recognizes a protein of 95kDa, which is identified as Bcl-6. The Reed-Sternberg cells of classical Hodgkin lymphoma are Bcl-6 negative whereas the large ("L&H") cells of NLPHL are Bcl-6 positive. In contrast, anti-Bcl-6 rarely stains mantle-cell lymphoma and MALT lymphoma.
 Status: RUO

Catalog Number	Volume	Price
RA0024-C.1	0.1 ml	\$75.00
RA0024-C.5	0.5 ml	\$239.00

Bcl-X (Apoptosis Marker); Clone 2H12 (Concentrate)

Species: Mouse
 Immunogen: A synthetic peptide, aa 3-14 (Cys-QSNRELVVDFLS) of human Bcl-X protein
 Clone: 2H12
 Isotype: IgG2a
 Species Reactivity: Human, Mouse, Rat, and Pig. Others not tested.
 Positive Control: Jurkat, K562, HL-60, or HeLa Cells. Reed-Sternberg cells in Hodgkin's lymphoma.
 Specificity: Recognizes a protein of 27kDa, identified as the Bcl-X protein. This MAb shows no cross-reaction with Bcl-2 or Bax protein. This MAb reacts with both Bcl-XS and Bcl-XL proteins.
 Status: RUO

Catalog Number	Volume	Price
RA0022-C.1	0.1 ml	\$75.00
RA0022-C.5	0.5 ml	\$239.00

Bcl-X (Apoptosis Marker); Clone BX006 & 2H12 (Concentrate)

Species: Mouse
 Immunogen: A synthetic peptide, aa 3-14 (Cys-QSNRELVVDFLS) of human Bcl-X protein
 Clone: BX006 & 2H12
 Isotype: IgG2a (BX006) & IgG2a (2H12)
 Species Reactivity: Human, Mouse, Rat, and Pig. Others not tested.
 Positive Control: Jurkat, K562, HL-60, or HeLa Cells. Reed-Sternberg cells in Hodgkin's lymphoma.
 Specificity: Recognizes a protein of 27kDa, identified as the Bcl-X protein. This MAb shows no cross-reaction with Bcl-2 or Bax protein. This MAb reacts with both Bcl-XS and Bcl-XL proteins.
 Status: RUO

Catalog Number	Volume	Price
RA0023-C.1	0.1 ml	\$75.00
RA0023-C.5	0.5 ml	\$239.00

Bcl-X (Apoptosis Marker); Clone BX006 (Concentrate)

Species: Mouse
 Immunogen: A synthetic peptide, aa 3-14 (Cys-QSNRELVVDFLS) of human Bcl-X protein.
 Clone: BX006
 Isotype: IgG2a
 Species Reactivity: Human, Mouse, Rat, and Pig. Others not tested.
 Positive Control: Jurkat, K562, HL-60, or HeLa Cells. Reed-Sternberg cells in Hodgkin's lymphoma.
 Specificity: Recognizes a protein of 27kDa, identified as the Bcl-X protein. This MAb shows no cross-reaction with Bcl-2 or Bax protein. This MAb reacts with both Bcl-XS and Bcl-XL proteins.
 Status: RUO

Catalog Number	Volume	Price
RA0021-C.1	0.1 ml	\$75.00
RA0021-C.5	0.5 ml	\$239.00

Beta-2 Microglobulin (Renal Failure & Tumor Marker); Clone B2M/1118 (Concentrate)

Species: Mouse
 Immunogen: Full length recombinant human B2M protein
 Clone: B2M/1118
 Isotype: IgG2b, kappa
 Species Reactivity: Human and non-human primates. Others not known.
 Positive Control: HL-60 or HeLa cells. Melanomas and Lymphoma. Carcinoma of Stomach, Cervix, Endometrial, Kidney or Colon.
 Specificity: This antibody is specific for the 12kDa protein known as Beta-2 Microglobulin.
 Status: RUO

Catalog Number	Volume	Price
RA0424-C.5	0.5 ml	\$239.00

Bromodeoxyuridine (BrdU) (Proliferation Marker); Clone 85-2C8 (Concentrate)

Species: Mouse
 Immunogen: Bromodeoxyuridine (BrdU) conjugated to hemocyanine (isolated from Helix pomatia)
 Clone: 85-2C8
 Isotype: IgG1
 Species Reactivity: All species
 Positive Control: Cells grown in presence of BrdU or tissues from experimental animals injected with BrdU.
 Specificity: This antibody reacts with Bromodeoxyuridine (BrdU) in single stranded DNA (produced by partial denaturation of double stranded DNA), BrdU coupled to a protein carrier, as well as free BrdU.
 Status: RUO

Catalog Number	Volume	Price
RA0378-C.1	0.1 ml	\$75.00
RA0378-C.5	0.5 ml	\$239.00

Bromodeoxyuridine (BrdU) (Proliferation Marker); Clone BRD.3 (Concentrate)

Species: Mouse
 Immunogen: Bromodeoxyuridine (BrdU) conjugated to BSA
 Clone: BRD.3
 Isotype: IgG1
 Species Reactivity: All species
 Positive Control: Cells grown in presence of BrdU or tissues from experimental animals injected with BrdU
 Specificity: This antibody reacts with Bromodeoxyuridine (BrdU) in single stranded DNA (produced by partial denaturation of double stranded DNA), BrdU coupled to a protein carrier, as well as free BrdU.
 Status: RUO

Catalog Number	Volume	Price
RA0377-C.1	0.1 ml	\$75.00
RA0377-C.5	0.5 ml	\$239.00

Bromodeoxyuridine (BrdU) (Proliferation Marker); Clone BRD469 (Concentrate)

Species: Mouse
 Immunogen: Bromodeoxyuridine (BrdU) conjugated to KLH
 Clone: BRD469
 Isotype: IgG1
 Species Reactivity: All species
 Positive Control: Cells grown in presence of BrdU or tissues from experimental animals injected with BrdU
 Specificity: This antibody reacts with Bromodeoxyuridine (BrdU) in single stranded DNA (produced by partial denaturation of double stranded DNA), BrdU coupled to a protein carrier, as well as free BrdU.
 Status: RUO

Catalog Number	Volume	Price
RA0372-C.1	0.1 ml	\$75.00
RA0372-C.5	0.5 ml	\$239.00

Bromodeoxyuridine (BrdU) (Proliferation Marker); Clone BRD494 (Concentrate)

Species: Mouse
 Immunogen: Bromodeoxyuridine (BrdU) conjugated to KLH
 Clone: BRD494
 Isotype: IgG1
 Species Reactivity: All species
 Positive Control: Cells grown in presence of BrdU or tissues from experimental animals injected with BrdU
 Specificity: This antibody reacts with Bromodeoxyuridine (BrdU) in single stranded DNA (produced by partial denaturation of double stranded DNA), BrdU coupled to a protein carrier, as well as free BrdU.
 Status: RUO

Catalog Number	Volume	Price
RA0374-C.1	0.1 ml	\$75.00
RA0374-C.5	0.5 ml	\$239.00

Bromodeoxyuridine (BrdU) (Proliferation Marker); Clone BU20a (Concentrate)

Species: Mouse
 Immunogen: Bromodeoxyuridine (BrdU) conjugated to KLH
 Clone: BU20a
 Isotype: IgG1
 Species Reactivity: All species
 Positive Control: Cells grown in presence of BrdU or tissues from experimental animals injected with BrdU
 Specificity: This antibody reacts with Bromodeoxyuridine (BrdU) in single stranded DNA (produced by partial denaturation of double stranded DNA), BrdU coupled to a protein carrier, as well as free BrdU.
 Status: RUO

Catalog Number	Volume	Price
RA0375-C.1	0.1 ml	\$75.00
RA0375-C.5	0.5 ml	\$239.00

Bromodeoxyuridine (BrdU) (Proliferation Marker); Clone MoBu-1 (Concentrate)

Species: Mouse
 Immunogen: Bromodeoxyuridine (BrdU) conjugated to hemocyanine (isolated from Helix pomatia)
 Clone: MoBu-1
 Isotype: IgG1
 Species Reactivity: All species
 Positive Control: Cells grown in presence of BrdU or tissues from experimental animals injected with BrdU
 Specificity: This antibody reacts with Bromodeoxyuridine (BrdU) in single stranded DNA (produced by partial denaturation of double stranded DNA), BrdU coupled to a protein carrier, as well as free BrdU.
 Status: RUO

Catalog Number	Volume	Price
RA0376-C.1	0.1 ml	\$75.00
RA0376-C.5	0.5 ml	\$239.00

CA19-9/Sialyl Lewis a (GI Tumor Marker); Clone 121SLE (Concentrate)

Species: Mouse
 Immunogen: Precipitin lines obtained after immuno-diffusion using monoclonal antibody 116-NS-19-9 and mucins isolated from an ovarian cyst of a Lewis A+B- patient (OLe).
 Clone: 121SLE
 Isotype: IgM, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Stomach
 Specificity: CA19-9, a carbohydrate epitope expressed on a high MW (>400kDa) mucin glycoprotein, is a sialyl Lewis a structure which is synthesized from type 1 blood group precursor chains and is present in individuals expressing the Lewis a and/or Lewis b blood group antigens.
 Status: RUO

Catalog Number	Volume	Price
RA0397-C.1	0.1 ml	\$75.00
RA0397-C.5	0.5 ml	\$189.00

Caldesmon, HMW (h-Caldesmon) (Smooth Muscle Marker); Clone CALD1/820 & h-CALD (Concentrate)

Species: Mouse
 Immunogen: Recombinant human CALD1 protein (CALD1/820); Crude human uterus extract (h-CALD)
 Clone: CALD1/820 & h-CALD
 Isotype: IgG1, kappa (CALD1/820); IgG1, kappa (h-CALD)
 Species Reactivity: Human. Others not known.
 Positive Control: Uterus
 Specificity: Recognizes a protein of 150kDa, which is identified as the high molecular weight variant of Caldesmon. This MAb recognizes only the 150kDa variant (h-Caldesmon) in Western blots of human aortic media extracts and is unreactive with fibroblast extracts from cultivated human foreskin.
 Status: RUO

Catalog Number	Volume	Price
RA0030-C.1	0.1 ml	\$75.00
RA0030-C.5	0.5 ml	\$239.00

Caldesmon, HMW (h-Caldesmon) (Smooth Muscle Marker); Clone CALD1/820 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human CALD1 protein
 Clone: CALD1/820
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Uterus
 Specificity: Recognizes a protein of 150kDa, which is identified as the high molecular weight variant of Caldesmon. This MAb recognizes only the 150kDa variant (h-Caldesmon) in Western blots of human aortic media extracts and is unreactive with fibroblast extracts from cultivated human foreskin.
 Status: RUO

Catalog Number	Volume	Price
RA0029-C.1	0.1 ml	\$75.00
RA0029-C.5	0.5 ml	\$239.00

Caldesmon, HMW (h-Caldesmon) (Smooth Muscle Marker); Clone h-CALD (Concentrate)

Species: Mouse
 Immunogen: Crude human uterus extract
 Clone: h-CALD
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Uterus
 Specificity: Recognizes a protein of 150kDa, which is identified as the high molecular weight variant of Caldesmon. This MAb recognizes only the 150kDa variant (h-caldesmon) in Western blots of human aortic media extracts and is unreactive with fibroblast extracts from cultivated human foreskin.
 Status: RUO

Catalog Number	Volume	Price
RA0028-C.1	0.1 ml	\$75.00
RA0028-C.5	0.5 ml	\$239.00

Calponin-1 (Smooth Muscle Marker); Clone CALP (Concentrate)

Species: Mouse
 Immunogen: Crude human uterus extract
 Clone: CALP
 Isotype: IgG1, kappa
 Species Reactivity: Human and Rat. Others not known.
 Positive Control: Myoepithelial cells in breast ducts.
 Specificity: In Western blotting, this antibody reacts with only the 34kDa form of calponin in extracts of human aortic medial smooth muscle and is unreactive with fibroblast extracts of cultivated human foreskin.
 Status: RUO

Catalog Number	Volume	Price
RA0099-C.1	0.1 ml	\$75.00
RA0099-C.5	0.5 ml	\$189.00

Calponin-1 (Smooth Muscle Marker); Clone CNN1/832 & CALP (Concentrate)

Species: Mouse
 Immunogen: Recombinant human CNN1 protein (CNN1/832); Crude human uterus extract (CALP)
 Clone: CNN1/832 & CALP
 Isotype: IgG1, kappa (CNN1/832); IgG1, kappa (CALP)
 Species Reactivity: Human and Rat. Others not known.
 Positive Control: Myoepithelial cells in breast ducts.
 Specificity: In Western blotting, this antibody reacts with only the 34kDa form of calponin in extracts of human aortic medial smooth muscle and is unreactive with fibroblast extracts of cultivated human foreskin.
 Status: RUO

Catalog Number	Volume	Price
RA0101-C.1	0.1 ml	\$75.00
RA0101-C.5	0.5 ml	\$189.00

Calponin-1 (Smooth Muscle Marker); Clone CNN1/832 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human CNN1 protein
 Clone: CNN1/832
 Isotype: IgG1, kappa
 Species Reactivity: Human and Rat. Others not known.
 Positive Control: Myoepithelial cells in breast ducts.
 Specificity: In Western blotting, this antibody reacts with only the 34kDa form of calponin in extracts of human aortic medial smooth muscle and is unreactive with fibroblast extracts of cultivated human foreskin.
 Status: RUO

Catalog Number	Volume	Price
RA0100-C.1	0.1 ml	\$75.00
RA0100-C.5	0.5 ml	\$189.00

Carcinoembryonic Antigen (CEA) / CD66; Clone C66/261 (Concentrate)

Species: Mouse
 Immunogen: Human recombinant CEA protein
 Clone: C66/261
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: MCF7 or 293T cells. Colon carcinoma.
 Specificity: This antibody recognizes proteins of 80-200kDa, identified as different members of the CEA family. This antibody does not react with nonspecific cross-reacting antigen (NCA) and with human polymorphonuclear leucocytes. It shows no reaction with a variety of normal tissues and is suitable for staining of formalin/paraffin tissues.
 Status: RUO

Catalog Number	Volume	Price
RA0083-C.1	0.1 ml	\$75.00
RA0083-C.5	0.5 ml	\$239.00

Carcinoembryonic Antigen (CEA) / CD66; Clone CEA31 (Concentrate)

Species: Mouse
 Immunogen: Human colon carcinoma extract
 Clone: CEA31
 Isotype: IgG1, kappa
 Species Reactivity: Human and Monkey. Others not known.
 Positive Control: MCF7 or 293T cells. Colon carcinoma.
 Specificity: This antibody recognizes proteins of 80-200kDa, identified as different members of the CEA family. This antibody does not react with nonspecific cross-reacting antigen (NCA) and with human polymorphonuclear leucocytes. It shows no reaction with a variety of normal tissues and is suitable for staining of formalin/paraffin tissues.
 Status: RUO

Catalog Number	Volume	Price
RA0084-C.1	0.1 ml	\$75.00
RA0084-C.5	0.5 ml	\$239.00

Carcinoembryonic Antigen (CEA) / CD66; Clone COL-1 (Concentrate)

Species: Mouse
 Immunogen: Human colon carcinoma extract
 Clone: COL-1
 Isotype: IgG2a, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: MCF7 or 293T cells. Colon carcinoma.
 Specificity: This antibody recognizes proteins of 80-200kDa, identified as different members of the CEA family. This antibody does not react with nonspecific cross-reacting antigen (NCA) and with human polymorphonuclear leucocytes. It shows no reaction with a variety of normal tissues and is suitable for staining of formalin/paraffin tissues.
 Status: RUO

Catalog Number	Volume	Price
RA0082-C.1	0.1 ml	\$75.00
RA0082-C.5	0.5 ml	\$239.00

Carcinoembryonic Antigen (CEA) / CD66; Clone COL-1, CEA31 & C66/261 (Concentrate)

Species: Mouse
 Immunogen: Human colon carcinoma extract (COL-1 & CEA31); CEA recombinant protein (C66/261)
 Clone: COL-1, CEA31 & C66/261
 Isotype: IgG2a (COL-1); IgG1 (CEA31 & C66/261)
 Species Reactivity: Human. Others not known.
 Positive Control: MCF7 or 293T cells. Colon carcinoma.
 Specificity: This monoclonal antibody recognizes proteins of 80-200kDa, identified as different members of the CEA family. It does not react with nonspecific cross-reacting antigen (NCA) and with human polymorphonuclear leucocytes. It shows no reaction with a variety of normal tissues and is suitable for staining of formalin/paraffin tissues.
 Status: RUO

Catalog Number	Volume	Price
RA0085-C.1	0.1 ml	\$75.00
RA0085-C.5	0.5 ml	\$239.00

CD106 / VCAM1 (Activated Endothelial Cell Marker); Clone 1.4C3 (Concentrate)

Species: Mouse
 Immunogen: Stimulated human umbilical vein endothelial cells (HUVEC)
 Clone: 1.4C3
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Human placenta or tonsil.
 Specificity: Recognizes a protein of 110kDa, identified as CD106 (also known as vascular cell adhesion molecule-1 (VCAM-1) and INCAM-100).
 Status: RUO

Catalog Number	Volume	Price
RA0335-C.1	0.1 ml	\$75.00
RA0335-C.5	0.5 ml	\$239.00

CD106 / VCAM1 (Activated Endothelial Cell Marker); Clone VCAM1/843 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human VCAM1 protein
 Clone: VCAM1/843
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Human placenta or tonsil.
 Specificity: Recognizes a protein of 110kDa, identified as CD106 (also known as vascular cell adhesion molecule-1 (VCAM-1) and INCAM-100).
 Status: RUO

Catalog Number	Volume	Price
RA0336-C.1	0.1 ml	\$75.00
RA0336-C.5	0.5 ml	\$239.00

CD117/c-Kit (Marker for Gastrointestinal Stromal Tumors); Clone C117/370 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human CD117 protein
 Clone: C117/370
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Gastrointestinal Stromal Tumor (GIST) or testicular germ cell tumor. Melanocytes in the basal layer of the epidermis and mast cells in the dermis of normal skin.
 Specificity: This antibody recognizes a protein of 145kDa, identified as CD117/p145kit.
 Status: RUO

Catalog Number	Volume	Price
RA0168-C.1	0.1 ml	\$75.00
RA0168-C.5	0.5 ml	\$239.00

CD15 / FUT4 (Reed-Sternberg Cell Marker); Clone FUT4/815 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human FUT4 protein
 Clone: FUT4/815
 Isotype: IgM, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: U937 cells, Reed-Sternberg's cells in Hodgkin's lymphoma.
 Specificity: This antibody reacts with a 220 kDa protein, CD15 / FUT4 expressed on Reed-Sternberg cells.
 Status: RUO

Catalog Number	Volume	Price
RA0120-C.1	0.1 ml	\$75.00
RA0120-C.5	0.5 ml	\$189.00

CD15 / FUT4 (Reed-Sternberg Cell Marker); Clone Leu-M1 (MMA) (Concentrate)

Species: Mouse
 Immunogen: U937 histiocytic cell line
 Clone: Leu-M1 (MMA)
 Isotype: IgM, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: U937 cells, Reed-Sternberg's cells in Hodgkin's lymphoma.
 Specificity: This antibody reacts with a 220 kDa protein, CD15 / FUT4 expressed on Reed-Sternberg cells.
 Status: RUO

Catalog Number	Volume	Price
RA0119-C.1	0.1 ml	\$75.00
RA0119-C.5	0.5 ml	\$189.00

CD1a / HTA1 (Mature Langerhans Cells Marker); Clone C1A/711 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human CD1a protein
 Clone: C1A/711
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: MOLT-4 cells. Paracortex in a tonsil or a reactive lymph node.
 Specificity: Anti-CD1a labels Langerhans cell histiocytosis (Histiocytosis X), extranodal histiocytic sarcoma, a subset of T-lymphoblastic lymphoma/leukemia, and interdigitating dendritic cell sarcoma of the lymph node.
 Status: RUO

Catalog Number	Volume	Price
RA0032-C.1	0.1 ml	\$75.00
RA0032-C.5	0.5 ml	\$239.00

CD1a / HTA1 (Mature Langerhans Cells Marker); Clone O10 & C1A/711 (Concentrate)

Species: Mouse
 Immunogen: Human thymus cells (O10); Recombinant human CD1a protein (C1A/711)
 Clone: O10 & C1A/711
 Isotype: IgG1, kappa (O10) & IgG1, kappa (C1A/711)
 Species Reactivity: Human. Others not known.
 Positive Control: MOLT-4 cells. Paracortex in a tonsil or a reactive lymph node.
 Specificity: Anti-CD1a labels Langerhans cell histiocytosis (Histiocytosis X), extranodal histiocytic sarcoma, a subset of T-lymphoblastic lymphoma/leukemia, and interdigitating dendritic cell sarcoma of the lymph node.
 Status: RUO

Catalog Number	Volume	Price
RA0033-C.1	0.1 ml	\$75.00
RA0033-C.5	0.5 ml	\$239.00

CD1a / HTA1 (Mature Langerhans Cells Marker); Clone O10 (Concentrate)

Species: Mouse
 Immunogen: Human thymus cells
 Clone: O10
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: MOLT-4 cells. Paracortex in a tonsil or a reactive lymph node.
 Specificity: Anti-CD1a labels Langerhans cell histiocytosis (Histiocytosis X), extranodal histiocytic sarcoma, a subset of T-lymphoblastic lymphoma/leukemia, and interdigitating dendritic cell sarcoma of the lymph node.
 Status: RUO

Catalog Number	Volume	Price
RA0031-C.1	0.1 ml	\$75.00
RA0031-C.5	0.5 ml	\$239.00

CD20 / MS4A1 (B-Cell Marker); Clone IGEL/773 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human MS4A1 protein
 Clone: IGEL/773
 Isotype: IgG2a, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Daudi, Raji, and U266, and human lymphocytes, lymph nodes and tonsils.
 Specificity: Recognizes a protein of 30-33kDa, which is identified as CD20.
 Status: RUO

Catalog Number	Volume	Price
RA0046-C.1	0.1 ml	\$75.00
RA0046-C.5	0.5 ml	\$239.00

CD20 / MS4A1 (B-Cell Marker); Clone L26 & IGEL/773 (Concentrate)

Species: Mouse
 Immunogen: Human tonsil B-cells (L26); Recombinant human MS4A1 protein (IGEL/773)
 Clone: L26 & IGEL/773
 Isotype: IgG2a, kappa (L26); IgG2a, kappa (IGEL/773)
 Species Reactivity: Human. Others not known.
 Positive Control: Daudi, Raji, and U266, and human lymphocytes, lymph nodes and tonsils.
 Specificity: Recognizes a protein of 30-33kDa, which is identified as CD20. Its epitope is located in the cytoplasmic domain of CD20 and was, therefore, ascribed as CD20cy in the 5th Workshop.
 Status: RUO

Catalog Number	Volume	Price
RA0047-C.1	0.1 ml	\$75.00
RA0047-C.5	0.5 ml	\$189.00

CD20 / MS4A1 (B-Cell Marker); Clone L26 (Concentrate)

Species: Mouse
 Immunogen: Human tonsil B-cells
 Clone: L26
 Isotype: IgG2a, kappa
 Species Reactivity: Human, Baboon, and Monkey. Does not react with Cow, Cog, Pig, and Rat. Others not known.
 Positive Control: Daudi, Raji, and U266, and human lymphocytes, lymph nodes and tonsils.
 Specificity: Recognizes a protein of 30-33kDa, which is identified as CD20. Its epitope is located in the cytoplasmic domain of CD20 and was, therefore, ascribed as CD20cy in the 5th Workshop.
 Status: RUO

Catalog Number	Volume	Price
RA0045-C.1	0.1 ml	\$75.00
RA0045-C.5	0.5 ml	\$239.00

CD30 / TNFRSF8 (Hodgkin & Reed-Sternberg Cell Marker); Clone Ber-H2 & CD30/412 (Concentrate)

Species: Mouse
 Immunogen: Cancer cell line established from a patient with Hodgkin's disease of T-cell lineage (Ber-H2); human CD30 recombinant protein (CD30/412)
 Clone: Ber-H2 & CD30/412
 Isotype: IgG1, kappa (Ber-H2); IgG1, kappa (CD30/412)
 Species Reactivity: Human. Others not known.
 Positive Control: Hodgkin's lymphoma
 Specificity: Recognizes a single chain glycoprotein of 105/120kDa, identified as CD30/Ki-1. This MAb distinguishes large cell lymphomas derived from activated lymphoid cells from histiocytic malignancies and lymphomas derived from resting and precursor lymphoid cells or from anaplastic carcinomas.
 Status: RUO

Catalog Number	Volume	Price
RA0051-C.1	0.1 ml	\$75.00
RA0051-C.5	0.5 ml	\$189.00

CD30 / TNFRSF8 (Hodgkin & Reed-Sternberg Cell Marker); Clone Ber-H2 (Concentrate)

Species: Mouse
 Immunogen: Cancer cell line established from a patient with Hodgkin's disease of T-cell lineage
 Clone: Ber-H2
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Hodgkin's lymphoma
 Specificity: Recognizes a single chain glycoprotein of 105/120kDa, identified as CD30/Ki-1. This MAb distinguishes large cell lymphomas derived from activated lymphoid cells from histiocytic malignancies and lymphomas derived from resting and precursor lymphoid cells or from anaplastic carcinomas.
 Status: RUO

Catalog Number	Volume	Price
RA0049-C.1	0.1 ml	\$75.00
RA0049-C.5	0.5 ml	\$189.00

CD30 / TNFRSF8 (Hodgkin & Reed-Sternberg Cell Marker); Clone CD30/412 (Concentrate)

Species: Mouse
 Immunogen: Human CD30 recombinant protein
 Clone: CD30/412
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Hodgkin's lymphoma
 Specificity: Recognizes a single chain glycoprotein of 105/120kDa, identified as CD30/Ki-1. This MAb distinguishes large cell lymphomas derived from activated lymphoid cells from histiocytic malignancies and lymphomas derived from resting and precursor lymphoid cells or from anaplastic carcinomas.
 Status: RUO

Catalog Number	Volume	Price
RA0048-C.1	0.1 ml	\$75.00
RA0048-C.5	0.5 ml	\$239.00

CD30 / TNFRSF8 (Hodgkin & Reed-Sternberg Cell Marker); Clone Ki-1/779 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human TNFRSF8 protein
 Clone: Ki-1/779
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Hodgkin's lymphoma
 Specificity: Recognizes a single chain glycoprotein of 105/120kDa, identified as CD30/Ki-1. This MAb distinguishes large cell lymphomas derived from activated lymphoid cells from histiocytic malignancies and lymphomas derived from resting and precursor lymphoid cells or from anaplastic carcinomas.
 Status: RUO

Catalog Number	Volume	Price
RA0050-C.1	0.1 ml	\$75.00
RA0050-C.5	0.5 ml	\$239.00

CD31 / PECAM-1 (Endothelial Cell Marker); Clone 158-2B3 (Concentrate)

Species: Mouse
 Immunogen: Stimulated human leukocytes (Workshop VI)
 Clone: 158-2B3
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Tonsil, Angiosarcoma.
 Specificity: Anti-CD31 has shown to be highly specific and sensitive for vascular endothelial cells. Staining of nonvascular tumors (excluding hematopoietic neoplasms) is rare. Anti-CD31 reacts with normal, benign, and malignant endothelial cells which make up blood vessel lining.
 Status: RUO

Catalog Number	Volume	Price
RA0262-C.1	0.1 ml	\$75.00
RA0262-C.5	0.5 ml	\$239.00

CD31 / PECAM-1 (Endothelial Cell Marker); Clone 1A10 (Concentrate)

Species: Mouse
 Immunogen: Prokaryotic recombinant fusion protein corresponding to a portion of the extracellular domain downstream of the signal sequence of the CD31 (PECAM-1).
 Clone: 1A10
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Tonsil, Angiosarcoma.
 Specificity: Anti-CD31 has shown to be highly specific and sensitive for vascular endothelial cells. Staining of nonvascular tumors (excluding hematopoietic neoplasms) is rare. Anti-CD31 reacts with normal, benign, and malignant endothelial cells which make up blood vessel lining.
 Status: RUO

Catalog Number	Volume	Price
RA0260-C.1	0.1 ml	\$75.00
RA0260-C.5	0.5 ml	\$189.00

CD31 / PECAM-1 (Endothelial Cell Marker); Clone C31.3 & JC/70A (Concentrate)

Species: Mouse
 Immunogen: Human recombinant CD31 protein (C31.3); Membrane preparation of a spleen from a patient with hairy cell leukemia (JC/70A).
 Clone: C31.3 & JC/70A
 Isotype: IgG1, kappa (C31.3); IgG1, kappa (JC/70A)
 Species Reactivity: Human, Cynomolgus Monkey, and Rabbit. Others not known.
 Positive Control: Tonsil, Angiosarcoma.
 Specificity: Anti-CD31 has shown to be highly specific and sensitive for vascular endothelial cells. Staining of nonvascular tumors (excluding hematopoietic neoplasms) is rare. Anti-CD31 reacts with normal, benign, and malignant endothelial cells which make up blood vessel lining.
 Status: RUO

Catalog Number	Volume	Price
RA0258-C.1	0.1 ml	\$75.00
RA0258-C.5	0.5 ml	\$239.00

CD31 / PECAM-1 (Endothelial Cell Marker); Clone C31.3 (Concentrate)

Species: Mouse
 Immunogen: Human recombinant CD31 protein
 Clone: C31.3
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Jurkat, CCRF-CEM or K-562 Cells. Tonsil, Angiosarcoma.
 Specificity: Anti-CD31 has shown to be highly specific and sensitive for vascular endothelial cells. Staining of nonvascular tumors (excluding hematopoietic neoplasms) is rare. Anti-CD31 reacts with normal, benign, and malignant endothelial cells which make up blood vessel lining.
 Status: RUO

Catalog Number	Volume	Price
RA0257-C.1	0.1 ml	\$75.00
RA0257-C.5	0.5 ml	\$239.00

CD31 / PECAM-1 (Endothelial Cell Marker); Clone C31.7 (Concentrate)

Species: Mouse
 Immunogen: Human recombinant CD31 protein
 Clone: C31.7
 Isotype: IgG1, kappa
 Species Reactivity: Human, Cynomolgus Monkey, and Rabbit. Others not known.
 Positive Control: Jurkat, CCRF-CEM or K-562 Cells. Tonsil, Angiosarcoma.
 Specificity: Anti-CD31 has shown to be highly specific and sensitive for vascular endothelial cells. Staining of nonvascular tumors (excluding hematopoietic neoplasms) is rare. Anti-CD31 reacts with normal, benign, and malignant endothelial cells which make up blood vessel lining.
 Status: RUO

Catalog Number	Volume	Price
RA0256-C.1	0.1 ml	\$75.00
RA0256-C.5	0.5 ml	\$239.00

**CD31 / PECAM-1 (Endothelial Cell Marker);
Clone JC/70A (Concentrate)**

Species: Mouse
 Immunogen: Membrane preparation of a spleen from a patient with hairy cell leukemia.
 Clone: JC/70A
 Isotype: IgG1, kappa
 Species Reactivity: Human, Cynomolgus Monkey, and Rabbit.
 Others not known.
 Positive Control: Tonsil, Angiosarcoma.
 Specificity: Anti-CD31 has shown to be highly specific and sensitive for vascular endothelial cells. Staining of nonvascular tumors (excluding hematopoietic neoplasms) is rare. Anti-CD31 reacts with normal, benign, and malignant endothelial cells which make up blood vessel lining.
 Status: RUO

Catalog Number	Volume	Price
RA0259-C.1	0.1 ml	\$75.00
RA0259-C.5	0.5 ml	\$239.00

**CD31 / PECAM-1 (Endothelial Cell Marker);
Clone PECA1/848 (Concentrate)**

Species: Mouse
 Immunogen: Recombinant human PECAM1 protein
 Clone: PECA1/848
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Tonsil, Angiosarcoma.
 Specificity: Anti-CD31 has shown to be highly specific and sensitive for vascular endothelial cells. Staining of nonvascular tumors (excluding hematopoietic neoplasms) is rare. Anti-CD31 reacts with normal, benign, and malignant endothelial cells which make up blood vessel lining.
 Status: RUO

Catalog Number	Volume	Price
RA0261-C.1	0.1 ml	\$75.00
RA0261-C.5	0.5 ml	\$239.00

**CD34 (Hematopoietic Stem Cell & Endothelial
Marker); Clone HPCA1/763 (Concentrate)**

Species: Mouse
 Immunogen: Recombinant human HPCA1 protein
 Clone: HPCA1/763
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: KG-1 cells, Tonsil, or Angiosarcoma.
 Specificity: This MAb recognizes a single chain, transmembrane, heavily glycosylated protein of 90-120kDa, which is identified as CD34. Anti-CD34 labels > 85% of angiosarcoma and Kaposi's sarcoma, but with a lower specificity.
 Status: RUO

Catalog Number	Volume	Price
RA0053-C.1	0.1 ml	\$75.00
RA0053-C.5	0.5 ml	\$239.00

**CD34 (Hematopoietic Stem Cell & Endothelial
Marker); Clone QBEnd/10 & HPCA1/763
(Concentrate)**

Species: Mouse
 Immunogen: Detergent solubilized vesicular suspension prepared from human term placenta (QBEnd/10); Recombinant human HPCA1 protein (HPCA1/763)
 Clone: QBEnd/10 & HPCA1/763
 Isotype: IgG1, kappa (QBEnd/10); IgG1, kappa (HPCA1/763)
 Species Reactivity: Human. Others not known.
 Positive Control: KG-1 cells, Tonsil, or Angiosarcoma.
 Specificity: This monoclonal antibody recognizes a single chain, transmembrane, heavily glycosylated protein of 90-120kDa, which is identified as CD34. Anti-CD34 labels > 85% of angiosarcoma and Kaposi's sarcoma, but with a lower specificity.
 Status: RUO

Catalog Number	Volume	Price
RA0054-C.1	0.1 ml	\$75.00
RA0054-C.5	0.5 ml	\$239.00

**CD34 (Hematopoietic Stem Cell & Endothelial
Marker); Clone QBEnd/10 (Concentrate)**

Species: Mouse
 Immunogen: Detergent solubilized vesicular suspension prepared from human term placenta
 Clone: QBEnd/10
 Isotype: IgG1, kappa
 Species Reactivity: Human, Cynomolgus Monkey, Rhesus Monkey. Does not react with rat, sheep, cow and dog. Others not known.
 Positive Control: KG-1 cells, Tonsil, or Angiosarcoma
 Specificity: This MAb recognizes a single chain, transmembrane, heavily glycosylated protein of 90-120kDa, which is identified as CD34. On the basis of differential sensitivity to degradation by specific enzymes, epitopes of monoclonal antibodies to CD34 are classified into three main categories, class I, class II and class III. It is a class II antibody whose epitope is resistant to neuraminidase but sensitive to glycoprotease and chymopapain. Anti-CD34 labels > 85% of angiosarcoma and Kaposi's sarcoma, but with a lower specificity.
 Status: RUO

Catalog Number	Volume	Price
RA0052-C.1	0.1 ml	\$75.00
RA0052-C.5	0.5 ml	\$239.00

CD35 / CR1 (Follicular Dendritic Cell Marker); Clone CR1/802 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human CR1 protein
 Clone: CR1/802
 Isotype: IgG1, kappa
 Species Reactivity: Human, Baboon, and Monkey. Others not known.
 Positive Control: Follicular dendritic cells (FDC) in tonsil.
 Specificity: Recognizes a protein of 210-220kDa, which is identified as the complement receptor 1 (CR1)/CD35. This antibody is specific for a site in CR1 that is distal from the C3b-binding site, so that it is unable to block CR1 activity. It is highly specific to CR1 and shows no cross-reaction with CR2. This antibody labels follicular dendritic cells and follicular dendritic cell sarcoma.
 Status: RUO

Catalog Number	Volume	Price
RA0103-C.1	0.1 ml	\$75.00
RA0103-C.5	0.5 ml	\$239.00

CD35 / CR1 (Follicular Dendritic Cell Marker); Clone E11 (Concentrate)

Species: Mouse
 Immunogen: Intact human monocytes
 Clone: E11
 Isotype: IgG1, kappa
 Species Reactivity: Human, Baboon, Cynomolgus Monkey, Rhesus Monkey. Others not known.
 Positive Control: Follicular dendritic cells (FDC) in tonsil.
 Specificity: Recognizes a protein of 210-220kDa, which is identified as the complement receptor 1 (CR1)/CD35. This antibody is specific for a site in CR1 that is distal from the C3b-binding site, so that it is unable to block CR1 activity. It is highly specific to CR1 and shows no cross-reaction with CR2. This antibody labels follicular dendritic cells and follicular dendritic cell sarcoma.
 Status: RUO

Catalog Number	Volume	Price
RA0102-C.1	0.1 ml	\$75.00
RA0102-C.5	0.5 ml	\$239.00

CD43 (T-Cell Marker); Clone 84-3C1 (Concentrate)

Species: Mouse
 Immunogen: Stimulated human leukocytes
 Clone: 84-3C1
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Paracortex in a tonsil or a reactive lymph node.
 Specificity: This antibody recognizes a cell surface glycoprotein of 95/115/135kDa (depending upon the extent of glycosylation), identified as CD43 [Workshop IV].
 Status: RUO

Catalog Number	Volume	Price
RA0299-C.1	0.1 ml	\$75.00
RA0299-C.5	0.5 ml	\$239.00

CD43 (T-Cell Marker); Clone DF-T1 (Concentrate)

Species: Mouse
 Immunogen: Myeloblastic KG1 cells
 Clone: DF-T1
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Paracortex in a tonsil or a reactive lymph node.
 Specificity: This antibody recognizes a cell surface glycoprotein of 95/115/135kDa (depending upon the extent of glycosylation), identified as CD43 [Workshop IV].
 Status: RUO

Catalog Number	Volume	Price
RA0297-C.1	0.1 ml	\$75.00
RA0297-C.5	0.5 ml	\$239.00

CD43 (T-Cell Marker); Clone SPN/839 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human SPN protein
 Clone: SPN/839
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Paracortex in a tonsil or a reactive lymph node.
 Specificity: This antibody recognizes a cell surface glycoprotein of 95/115/135kDa (depending upon the extent of glycosylation), identified as CD43 [Workshop IV].
 Status: RUO

Catalog Number	Volume	Price
RA0298-C.1	0.1 ml	\$75.00
RA0298-C.5	0.5 ml	\$239.00

CD44 / HCAM Std.; Clone 156-3C11 (Concentrate)

Species: Mouse
 Immunogen: Stimulated human leukocytes
 Clone: 156-3C11
 Isotype: IgG2a, kappa
 Species Reactivity: Human, Baboon, and Green Monkey. Others not tested.
 Positive Control: HeLa cells or paracortex in tonsil or lymph node.
 Specificity: Recognizes a cell surface glycoprotein of 80-95kDa (CD44) on lymphocytes, monocytes, and granulocytes (Leukocyte Typing Workshop V). Its epitope is resistant to digestion by trypsin and chymotrypsin.
 Status: RUO

Catalog Number	Volume	Price
RA0055-C.1	0.1 ml	\$75.00
RA0055-C.5	0.5 ml	\$239.00

CD44 / HCAM Std.; Clone HCAM/918 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human HCAM protein
 Clone: HCAM/918
 Isotype: IgG2a, kappa
 Species Reactivity: Human and non-human Primates. Others not tested.
 Positive Control: HeLa cells or paracortex in tonsil or lymph node.
 Specificity: Recognizes a cell surface glycoprotein of 80-95kDa (CD44) on lymphocytes, monocytes, and granulocytes (Leukocyte Typing Workshop V). Its epitope is resistant to digestion by trypsin and chymotrypsin.
 Status: RUO

Catalog Number	Volume	Price
RA0056-C.1	0.1 ml	\$75.00
RA0056-C.5	0.5 ml	\$239.00

CD45 / LCA (Leukocyte Marker); Clone 135-4C5 (Concentrate)

Species: Mouse
 Immunogen: Stimulated human leukocytes
 Clone: 135-4C5
 Isotype: IgG2b, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Ramos, U-698, or GA-10 cells. Tonsil.
 Specificity: CD45R, also designated as CD45 and PTPRC, has been identified as a transmembrane glycoprotein broadly expressed among hematopoietic cells. This antibody to CD45 is useful in differential diagnosis of lymphoid tumors from non-hematopoietic undifferentiated neoplasms.
 Status: RUO

Catalog Number	Volume	Price
RA0283-C.1	0.1 ml	\$75.00
RA0283-C.5	0.5 ml	\$239.00

CD45 / LCA (Leukocyte Marker); Clone 136-4B5 (Concentrate)

Species: Mouse
 Immunogen: Stimulated human leukocytes
 Clone: 136-4B5
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Ramos, U-698, or GA-10 cells. Tonsil.
 Specificity: CD45R, also designated as CD45 and PTPRC, has been identified as a transmembrane glycoprotein broadly expressed among hematopoietic cells. This antibody to CD45 is useful in differential diagnosis of lymphoid tumors from non-hematopoietic undifferentiated neoplasms.
 Status: RUO

Catalog Number	Volume	Price
RA0284-C.1	0.1 ml	\$75.00
RA0284-C.5	0.5 ml	\$239.00

CD45 / LCA (Leukocyte Marker); Clone 2B11 & PD7/26 (Concentrate)

Species: Mouse
 Immunogen: Isolated neoplastic cells from T-cell lymphoma (2B11); human peripheral blood lymphocytes maintained in T-cell growth factor (PD7/26).
 Clone: 2B11 & PD7/26
 Isotype: IgG1, kappa (2B11); IgG1, kappa (PD7/26).
 Species Reactivity: Human. Others not known.
 Positive Control: Ramos, U-698, or GA-10 cells. Tonsil.
 Specificity: This antibody recognizes the CD45 leukocyte common antigen (LCA) family.
 Status: RUO

Catalog Number	Volume	Price
RA0280-C.1	0.1 ml	\$75.00
RA0280-C.5	0.5 ml	\$239.00

CD45 / LCA (Leukocyte Marker); Clone 2B11 (Concentrate)

Species: Mouse
 Immunogen: Isolated neoplastic cells from T-cell lymphoma
 Clone: 2B11
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Ramos, U-698, or GA-10 cells. Tonsil.
 Specificity: CD45R, also designated as CD45 and PTPRC, has been identified as a transmembrane glycoprotein broadly expressed among hematopoietic cells. This antibody to CD45 is useful in differential diagnosis of lymphoid tumors from non-hematopoietic undifferentiated neoplasms.
 Status: RUO

Catalog Number	Volume	Price
RA0277-C.1	0.1 ml	\$75.00
RA0277-C.5	0.5 ml	\$239.00

CD45RA (Leukocyte Marker); Clone 111-1C5 (Concentrate)

Species: Mouse
 Immunogen: Stimulated human leukocytes
 Clone: 111-1C5
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Daudi, Raji, IM9 and human lymphocytes. Human lymph nodes and tonsils.
 Specificity: This antibody recognizes a protein of 205kDa-220kDa, identified as CD45RA. This antibody reacts with ABC and BC isoforms. CD45RA is expressed on 40-50% of peripheral CD4+ T-cells, 50% of peripheral CD8+ T-cells, B-cells, and leukemic B-cell lines.
 Status: RUO

Catalog Number	Volume	Price
RA0282-C.1	0.1 ml	\$75.00
RA0282-C.5	0.5 ml	\$239.00

CD45RA (Leukocyte Marker); Clone 158-4D3 (Concentrate)

Species: Mouse
 Immunogen: Stimulated human leukocytes
 Clone: 158-4D3
 Isotype: IgG2a, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Daudi, Raji, IM9 and human lymphocytes.
 Human lymph nodes and tonsils.
 Specificity: This antibody recognizes a protein of 205kDa-220kDa, identified as CD45RA. This antibody reacts with ABC and BC isoforms. CD45RA is expressed on 40-50% of peripheral CD4+ T-cells, 50% of peripheral CD8+ T-cells, B-cells, and leukemic B-cell lines.
 Status: RUO

Catalog Number	Volume	Price
RA0275-C.1	0.1 ml	\$75.00
RA0275-C.5	0.5 ml	\$239.00

CD45RB (Leukocyte Marker); Clone PD7/26 (Concentrate)

Species: Mouse
 Immunogen: Human peripheral blood lymphocytes maintained in T-cell growth factor
 Clone: PD7/26
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Ramos, U-698, or GA-10 cells. Tonsil.
 Specificity: CD45R, also designated as CD45 and PTPRC, has been identified as a transmembrane glycoprotein broadly expressed among hematopoietic cells. This antibody to CD45 is useful in differential diagnosis of lymphoid tumors from non-hematopoietic undifferentiated neoplasms.
 Status: RUO

Catalog Number	Volume	Price
RA0279-C.1	0.1 ml	\$75.00
RA0279-C.5	0.5 ml	\$239.00

CD45RO (T-Cell Marker); Clone T200/797 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human CD45RO protein
 Clone: T200/797
 Isotype: IgG2a, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: CCRF-CEM, Jurkat or MOLT-4 cells.
 Paracortex in a tonsil or a reactive lymph node.
 Specificity: This antibody recognizes a 180-185kDa protein, identified as an isoform of leukocyte common antigen (CD45RO). This antibody reacts with mature activated T-cells, most thymocytes, and a sub-population of resting T-cells within both CD4 and CD8 subsets. It shows no reactivity with normal B-cells or natural killer cells, but reacts with granulocytes and monocytes.
 Status: RUO

Catalog Number	Volume	Price
RA0281-C.1	0.1 ml	\$75.00
RA0281-C.5	0.5 ml	\$239.00

CD45RO (T-Cell Marker); Clone UCHL-1 (Concentrate)

Species: Mouse
 Immunogen: Cultured human T-cells from an IL-2-dependent T-cell line (CA1)
 Clone: UCHL-1
 Isotype: IgG2a, kappa
 Species Reactivity: Human, Chimpanzee, Common Marmoset. Others not known.
 Positive Control: CCRF-CEM, Jurkat or MOLT-4 cells.
 Paracortex in a tonsil or a reactive lymph node.
 Specificity: This antibody recognizes a 180-185kDa protein, identified as an isoform of leukocyte common antigen (CD45RO) (4th Leucocyte Typing Workshop: Code No. N31). The epitope recognized by this antibody is sensitive to neuraminidase digestion. This antibody reacts with mature activated T-cells, most thymocytes, and a sub-population of resting T-cells within both CD4 and CD8 subsets. It shows no reactivity with normal B-cells or natural killer cells, but reacts with granulocytes and monocytes.
 Status: RUO

Catalog Number	Volume	Price
RA0274-C.1	0.1 ml	\$75.00
RA0274-C.5	0.5 ml	\$239.00

CD5 (Mantle Cell Lymphoma Marker); Clone C5/473 & CD5/54/F6 (Concentrate)

Species: Mouse
 Immunogen: Human CD5 recombinant protein (C5/473); A synthetic peptide from the intracellular region of human CD5 (CD5/54/F6)
 Clone: C5/473 & CD5/54/F6
 Isotype: IgG1, kappa (C5/473) & IgG1, kappa (CD5/54/F6)
 Species Reactivity: Human. Others not known.
 Positive Control: 293T, Ramos, or MOLT-4 Cells. Tonsil.
 Specificity: Recognizes a 67kDa transmembrane protein, which is identified as CD5. Anti-CD5 does not react with granulocytes or monocytes.
 Status: RUO

Catalog Number	Volume	Price
RA0037-C.1	0.1 ml	\$75.00
RA0037-C.5	0.5 ml	\$239.00

CD5 (Mantle Cell Lymphoma Marker); Clone C5/473 (Concentrate)

Species: Mouse
 Immunogen: Human CD5 recombinant protein
 Clone: C5/473
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: 293T, Ramos, or MOLT-4 Cells. Tonsil.
 Specificity: Recognizes a 67kDa transmembrane protein, which is identified as CD5. Anti-CD5 does not react with granulocytes or monocytes.
 Status: RUO

Catalog Number	Volume	Price
RA0034-C.1	0.1 ml	\$75.00
RA0034-C.5	0.5 ml	\$239.00

CD5 (Mantle Cell Lymphoma Marker); Clone CD5/54/F6 (Concentrate)

Species: Mouse
 Immunogen: A synthetic peptide from the intracellular region of human CD5
 Clone: CD5/54/F6
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: 293T, Ramos, or MOLT-4 Cells. Tonsil.
 Specificity: Recognizes a 67kDa transmembrane protein, which is identified as CD5. Anti-CD5 does not react with granulocytes or monocytes.
 Status: RUO

Catalog Number	Volume	Price
RA0036-C.1	0.1 ml	\$75.00
RA0036-C.5	0.5 ml	\$239.00

CD56 / NCAM1 / NKH1 (Neuronal Cell Marker); Clone 123A8 (56C04) (Concentrate)

Species: Mouse
 Immunogen: Membrane preparation of a small cell lung carcinoma
 Clone: 123A8 (same clone as 56C04)
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Cerebellum, Pancreas, Neuroblastoma.
 Specificity: This antibody reacts with an extracellular domain of CD56/NCAM. Anti-CD56 recognizes two proteins of the neural cell adhesion molecule, the basic molecule expressed on most neuroectodermally derived tissues and neoplasms (e.g. retinoblastoma, medulloblastomas, astrocytomas, neuroblastomas, and small cell carcinomas). It is also expressed on some mesodermally derived tumors (rhabdomyosarcoma). Anti-CD56 plays an important role in the diagnosis of nodal and nasal NK/T-cell lymphomas.
 Status: RUO

Catalog Number	Volume	Price
RA0238-C.1	0.1 ml	\$75.00
RA0238-C.5	0.5 ml	\$239.00

CD56 / NCAM1 / NKH1 (Neuronal Cell Marker); Clone 123C3.D5 & 123A8 (Concentrate)

Species: Mouse
 Immunogen: Membrane preparation of a small cell lung carcinoma (123C3.D5 & 123A8)
 Clone: 123C3.D5 & 123A8
 Isotype: IgG1, kappa (123C3.D5); IgG1, kappa (123A8)
 Species Reactivity: Human. Others not known.
 Positive Control: Cerebellum, Pancreas, Neuroblastoma.
 Specificity: This antibody reacts with an extracellular domain of CD56/NCAM. Anti-CD56 recognizes two proteins of the neural cell adhesion molecule, the basic molecule expressed on most neuroectodermally derived tissues and neoplasms (e.g. retinoblastoma, medulloblastomas, astrocytomas, neuroblastomas, and small cell carcinomas). It is also expressed on some mesodermally derived tumors (rhabdomyosarcoma). Anti-CD56 plays an important role in the diagnosis of nodal and nasal NK/T-cell lymphomas.
 Status: RUO

Catalog Number	Volume	Price
RA0239-C.1	0.1 ml	\$75.00
RA0239-C.5	0.5 ml	\$239.00

CD56 / NCAM1 / NKH1 (Neuronal Cell Marker); Clone 123C3.D5 (Concentrate)

Species: Mouse
 Immunogen: Membrane preparation of a small cell lung carcinoma
 Clone: 123C3.D5
 Isotype: IgG1, kappa
 Species Reactivity: Human, Rat, and Zebrafish. Others not known.
 Positive Control: Cerebellum, Pancreas, Neuroblastoma.
 Specificity: This antibody reacts with an extracellular domain of CD56/NCAM. Anti-CD56 recognizes two proteins of the neural cell adhesion molecule, the basic molecule expressed on most neuroectodermally derived tissues and neoplasms (e.g. retinoblastoma, medulloblastomas, astrocytomas, neuroblastomas, and small cell carcinomas). It is also expressed on some mesodermally derived tumors (rhabdomyosarcoma). Anti-CD56 plays an important role in the diagnosis of nodal and nasal NK/T-cell lymphomas.
 Status: RUO

Catalog Number	Volume	Price
RA0237-C.1	0.1 ml	\$75.00
RA0237-C.5	0.5 ml	\$239.00

CD56 / NCAM1 / NKH1 (Neuronal Cell Marker); Clone NKH1/784 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human NCAM1 protein
 Clone: NKH1/784
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Cerebellum, Pancreas, Neuroblastoma.
 Specificity: This antibody reacts with an extracellular domain of CD56/NCAM. Anti-CD56 recognizes two proteins of the neural cell adhesion molecule, the basic molecule expressed on most neuroectodermally derived tissues and neoplasms (e.g. retinoblastoma, medulloblastomas, astrocytomas, neuroblastomas, and small cell carcinomas). It is also expressed on some mesodermally derived tumors (rhabdomyosarcoma). Anti-CD56 plays an important role in the diagnosis of nodal and nasal NK/T-cell lymphomas.
 Status: RUO

Catalog Number	Volume	Price
RA0240-C.1	0.1 ml	\$75.00
RA0240-C.5	0.5 ml	\$239.00

CD56 / NCAM1 / NKH1 (Neuronal Cell Marker); Clone NKH1/795 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human NCAM1 protein
 Clone: NKH1/795
 Isotype: IgG1, kappa
 Species Reactivity: Human, Rat and Zebrafish. Others not known.
 Positive Control: Cerebellum, Pancreas, Neuroblastoma.
 Specificity: This antibody reacts with an extracellular domain of CD56/NCAM. Anti-CD56 recognizes two proteins of the neural cell adhesion molecule, the basic molecule expressed on most neuroectodermally derived tissues and neoplasms (e.g. retinoblastoma, medulloblastomas, astrocytomas, neuroblastomas, and small cell carcinomas). It is also expressed on some mesodermally derived tumors (rhabdomyosarcoma).
 Anti-CD56 plays an important role in the diagnosis of nodal and nasal NK/T-cell lymphomas.
 Status: RUO

Catalog Number	Volume	Price
RA0241-C.1	0.1 ml	\$75.00
RA0241-C.5	0.5 ml	\$239.00

CD57 / B3GAT1 (Natural Killer Cell Marker); Clone HNK-1 & NK-1 (Concentrate)

Species: Mouse
 Immunogen: Human peripheral blood mononuclear cells (HNK-1 & NK-1)
 Clone: HNK-1 & NK-1
 Isotype: IgM, kappa (HNK-1 & NK-1)
 Species Reactivity: Human. Does not react with Rat. Others not known.
 Positive Control: Lymph node or tonsil.
 Specificity: Anti-CD57 marks a subset of lymphocytes known as natural killer (NK) cells. Anti-CD57 also stains neuroendocrine cells and their derived tumors, including carcinoid tumors and medulloblastoma.
 Status: RUO

Catalog Number	Volume	Price
RA0357-C.1	0.1 ml	\$75.00
RA0357-C.5	0.5 ml	\$189.00

CD57 / B3GAT1 (Natural Killer Cell Marker); Clone HNK-1 or Leu-7 (Concentrate)

Species: Mouse
 Immunogen: Human peripheral blood mononuclear cells
 Clone: HNK-1 or Leu-7
 Isotype: IgM, kappa
 Species Reactivity: Human. Does not react with Rat. Others not known.
 Positive Control: CCRF-CEM Cells. Lymph node or tonsil.
 Specificity: Anti-CD57 marks a subset of lymphocytes known as natural killer (NK) cells. Anti-CD57 also stains neuroendocrine cells and their derived tumors, including carcinoid tumors and medulloblastoma.
 Status: RUO

Catalog Number	Volume	Price
RA0355-C.1	0.1 ml	\$75.00
RA0355-C.5	0.5 ml	\$189.00

CD57 / B3GAT1 (Natural Killer Cell Marker); Clone NK/804 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human B3GAT1 protein
 Clone: NK/804
 Isotype: IgM, kappa
 Species Reactivity: Human. Does not react with Rat. Others not known.
 Positive Control: Lymph node or tonsil.
 Specificity: Anti-CD57 marks a subset of lymphocytes known as natural killer (NK) cells. Anti-CD57 also stains neuroendocrine cells and their derived tumors, including carcinoid tumors and medulloblastoma.
 Status: RUO

Catalog Number	Volume	Price
RA0358-C.1	0.1 ml	\$75.00
RA0358-C.5	0.5 ml	\$189.00

CD57 / B3GAT1 (Natural Killer Cell Marker); Clone NK-1 (Concentrate)

Species: Mouse
 Immunogen: Human peripheral blood mononuclear cells
 Clone: NK-1
 Isotype: IgM, kappa
 Species Reactivity: Human. Does not react with Rat. Others not known.
 Positive Control: Lymph node or tonsil.
 Specificity: Anti-CD57 marks a subset of lymphocytes known as natural killer (NK) cells. Anti-CD57 also stains neuroendocrine cells and their derived tumors, including carcinoid tumors and medulloblastoma.
 Status: RUO

Catalog Number	Volume	Price
RA0356-C.1	0.1 ml	\$75.00
RA0356-C.5	0.5 ml	\$189.00

CD6; Clone 3F7B5 (Concentrate)

Species: Mouse
 Immunogen: Human rheumatoid synovial T-cell line ST-1
 Clone: 3F7B5
 Isotype: IgG1
 Species Reactivity: Human. Others not known.
 Positive Control: CCRF-CEM, Jurkat cells, Tonsil.
 Specificity: Cell membrane positivity as expressed by thymocytes, mature/activated T-cells, a subset of B-cells known as B-1 cells, and by some cells in the brain.
 Status: RUO

Catalog Number	Volume	Price
RA0038-C.1	0.1 ml	\$75.00
RA0038-C.5	0.5 ml	\$239.00

CD6; Clone C6/372 & 3F7B5 (Concentrate)

Species: Mouse
 Immunogen: Human recombinant CD6 protein (C6/372);
 Human rheumatoid synovial T-cell line ST-1 (3F7B5)
 Clone: C6/372 & 3F7B5
 Isotype: IgG1 (C6/372); IgG1 (3F7B5)
 Species Reactivity: Human. Others not known.
 Positive Control: CCRF-CEM, Jurkat cells, tonsil.
 Specificity: Cell membrane positivity as expressed by
 thymocytes, mature/activated T-cells, a subset of B-cells known
 as B-1 cells, and by some cells in the brain.
 Status: RUO

Catalog Number	Volume	Price
RA0040-C.1	0.1 ml	\$75.00
RA0040-C.5	0.5 ml	\$239.00

CD6; Clone C6/372 (Concentrate)

Species: Mouse
 Immunogen: Human recombinant CD6 protein
 Clone: C6/372
 Isotype: IgG1
 Species Reactivity: Human. Others not known.
 Positive Control: CCRF-CEM, Jurkat cells, Tonsil.
 Specificity: Cell membrane positivity as expressed by
 thymocytes, mature/activated T-cells, a subset of B-cells known
 as B-1 cells, and by some cells in the brain.
 Status: RUO

Catalog Number	Volume	Price
RA0039-C.1	0.1 ml	\$75.00
RA0039-C.5	0.5 ml	\$239.00

CD63 (Late Endosomes Marker); Clone LAMP3/803 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human CD63 protein
 Clone: LAMP3/803
 Isotype: IgG1, kappa
 Species Reactivity: Human and Mouse. Others not known.
 Positive Control: SK-MEL-28, HL60, THP-1 or NIH/3T3 cells.
 Melanoma or lymphoma.
 Specificity: CD63 is expressed on activated platelets, monocytes
 and macrophages, and is weakly expressed on granulocytes, T-
 cells and B-cells. It is located on the basophilic granule
 membranes and on the plasma membranes of lymphocytes and
 granulocytes.
 Status: RUO

Catalog Number	Volume	Price
RA0059-C.1	0.1 ml	\$75.00
RA0059-C.5	0.5 ml	\$239.00

CD63 (Late Endosomes Marker); Clone MX-49.129.5 (Concentrate)

Species: Mouse
 Immunogen: Full length CD63 of human origin
 Clone: MX-49.129.5
 Isotype: IgG1, kappa
 Species Reactivity: Human and Mouse. Others not known.
 Positive Control: SK-MEL-28, HL60, THP-1 or NIH/3T3 cells.
 Melanoma or lymphoma.
 Specificity: CD63 is expressed on activated platelets, monocytes
 and macrophages, and is weakly expressed on granulocytes, T-
 cells and B-cells. It is located on the basophilic granule
 membranes and on the plasma membranes of lymphocytes and
 granulocytes.
 Status: RUO

Catalog Number	Volume	Price
RA0058-C.1	0.1 ml	\$75.00
RA0058-C.5	0.5 ml	\$239.00

CD63 (Late Endosomes Marker); Clone NKI/C3 (Concentrate)

Species: Mouse
 Immunogen: Smooth plasma membrane fraction of MeWo cells
 Clone: NKI/C3
 Isotype: IgG1, kappa
 Species Reactivity: Human and Mouse. Others not known.
 Positive Control: SK-MEL-28, HL60, THP-1 or NIH/3T3 cells.
 Melanoma or lymphoma.
 Specificity: CD63 is expressed on activated platelets, monocytes
 and macrophages, and is weakly expressed on granulocytes, T-
 cells and B-cells. It is located on the basophilic granule
 membranes and on the plasma membranes of lymphocytes and
 granulocytes.
 Status: RUO

Catalog Number	Volume	Price
RA0057-C.1	0.1 ml	\$75.00
RA0057-C.5	0.5 ml	\$239.00

CD68 (Macrophage Marker); Clone C68/684 (Concentrate)

Species: Mouse
 Immunogen: Subcellular fraction of human alveolar macrophages
 Clone: C68/684
 Isotype: IgG1, kappa
 Species Reactivity: Human, Monkey, Mouse, Rat, and Cat.
 Others not known.
 Positive Control: Tonsil, Lymph Node or Spleen.
 Specificity: This antibody recognizes a glycoprotein of 110kDa,
 which is identified as CD68.
 Status: RUO

Catalog Number	Volume	Price
RA0061-C.1	0.1 ml	\$75.00
RA0061-C.5	0.5 ml	\$239.00

CD68 (Macrophage Marker); Clone CD68/G2 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human CD68 protein
 Clone: CD68/G2
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Tonsil, Lymph Node or Spleen
 Specificity: This antibody recognizes a glycoprotein of 110kDa, which is identified as CD68.
 Status: RUO

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
RA0064-C.1	0.1 ml	\$75.00
RA0064-C.5	0.5 ml	\$239.00

CD68 (Macrophage Marker); Clone KP1 & C68/684 (Concentrate)

Species: Mouse
 Immunogen: Subcellular fraction of human alveolar macrophages (KP1); Subcellular fraction of human alveolar macrophages (C68/684)
 Clone: KP1 & C68/684
 Isotype: IgG1, kappa (KP1); IgG1, kappa (C68/684)
 Species Reactivity: Human, Monkey, Mouse, Rat and Cat. Others not known.
 Positive Control: Tonsil, Lymph Node or Spleen.
 Specificity: This antibody recognizes a glycoprotein of 110kDa, which is identified as CD68.
 Status: RUO

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
RA0062-C.1	0.1 ml	\$75.00
RA0062-C.5	0.5 ml	\$239.00

CD68 (Macrophage Marker); Clone KP1 (Concentrate)

Species: Mouse
 Immunogen: Subcellular fraction of human alveolar macrophages
 Clone: KP1
 Isotype: IgG1, kappa
 Positive Control: Tonsil, Lymph Node or Spleen
 Cellular Localization: Cytoplasmic
 Specificity: This antibody recognizes a glycoprotein of 110kDa, which is identified as CD68.
 Status: RUO

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
RA0060-C.1	0.1 ml	\$75.00
RA0060-C.5	0.5 ml	\$239.00

CD68 (Macrophage Marker); Clone LAMP4/824 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human LAMP4 protein
 Clone: LAMP4/824
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Tonsil, Lymph Node or Spleen.
 Specificity: This antibody recognizes a glycoprotein of 110kDa, which is identified as CD68.
 Status: RUO

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
RA0063-C.1	0.1 ml	\$75.00
RA0063-C.5	0.5 ml	\$239.00

CD74 (B-Cell Marker); Clone CLIP/813 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human CD74 protein
 Clone: CLIP/813
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Daudi or Raji Cells. Tonsil or Lymph Node.
 Specificity: This monoclonal antibody recognizes a protein of ~35kDa, identified as CD74.
 Status: RUO

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
RA0066-C.1	0.1 ml	\$75.00
RA0066-C.5	0.5 ml	\$239.00

CD74 (B-Cell Marker); Clone LN-2

Species: Mouse
 Immunogen: SU-DHL-4 lymphoma cells
 Clone: LN-2
 Isotype: IgG1, kappa
 Species Reactivity: Human, Baboon and Mouse. Does not react with Rat. Others not known.
 Positive Control: Daudi or Raji Cells. Tonsil or Lymph Node.
 Specificity: This monoclonal antibody recognizes a protein of ~35kDa, identified as CD74 (Workshop IV).
 Status: RUO

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
RA0065-C.1	0.1 ml	\$75.00
RA0065-C.5	0.5 ml	\$239.00

CD79a (B-Cell Marker); Clone HM47/A9 (Concentrate)

Species: Mouse
 Immunogen: A synthetic peptide corresponding to aa 202-216 (GTYQDVGSLNIADVQ) of human CD79a protein.
 Clone: HM47/A9
 Isotype: IgG1, kappa
 Species Reactivity: Human, Monkey, Pig, Cow, Mouse and Rat. Others not known.
 Positive Control: Daudi or Ramos cells. Germinal center B-cells in a lymph node or tonsil.
 Specificity: Anti-CD79a is generally used to complement anti-CD20 especially for mature B-cell lymphomas after treatment with Rituximab (anti-CD20). This antibody will stain many of the same lymphomas as anti-CD20, but also is more likely to stain B-lymphoblastic lymphoma/leukemia than is anti-CD20. Anti-CD79a also stains more cases of plasma cell myeloma and occasionally some types of endothelial cells as well.
 Status: RUO

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
RA0069-C.1	0.1 ml	\$75.00
RA0069-C.5	0.5 ml	\$239.00

CD79a (B-Cell Marker); Clone IGA/515 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human IGA protein
 Clone: IGA/515
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Daudi or Ramos cells. Germinal center B-cells in a lymph node or tonsil.
 Specificity: Anti-CD79a is generally used to complement anti-CD20 especially for mature B-cell lymphomas after treatment with Rituximab (anti-CD20). This antibody will stain many of the same lymphomas as anti-CD20, but also is more likely to stain B-lymphoblastic lymphoma/leukemia than is anti-CD20. Anti-CD79a also stains more cases of plasma cell myeloma and occasionally some types of endothelial cells as well.
 Status: RUO

Catalog Number	Volume	Price
RA0073-C.1	0.1 ml	\$75.00
RA0073-C.5	0.5 ml	\$239.00

CD79a (B-Cell Marker); Clone IGA/764 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human IGA protein
 Clone: IGA/764
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Daudi or Ramos cells. Germinal center B-cells in a lymph node or tonsil.
 Specificity: Anti-CD79a is generally used to complement anti-CD20 especially for mature B-cell lymphomas after treatment with Rituximab (anti-CD20). This antibody will stain many of the same lymphomas as anti-CD20, but also is more likely to stain B-lymphoblastic lymphoma/leukemia than is anti-CD20. Anti-CD79a also stains more cases of plasma cell myeloma and occasionally some types of endothelial cells as well.
 Status: RUO

Catalog Number	Volume	Price
RA0072-C.1	0.1 ml	\$75.00
RA0072-C.5	0.5 ml	\$239.00

CD79a (B-Cell Marker); Clone JCB117 & HM47/A9 (Concentrate)

Species: Mouse
 Immunogen: A synthetic peptide corresponding to aa 202-216 (GTYYQDVGSLNIADVQ) of human CD79a protein (JCB117 and HM47/A9).
 Clone: JCB117 & HM47/A9
 Isotype: IgG1, kappa (JCB117); IgG1, kappa (HM47/A9)
 Species Reactivity: Human, Monkey, Pig, Cow, Mouse and Rat. Others not known.
 Positive Control: Daudi or Ramos cells. Germinal center B-cells in a lymph node or tonsil.
 Specificity: Anti-CD79a is generally used to complement anti-CD20 especially for mature B-cell lymphomas after treatment with Rituximab (anti-CD20). This antibody will stain many of the same lymphomas as anti-CD20, but also is more likely to stain B-lymphoblastic lymphoma/leukemia than is anti-CD20. Anti-CD79a also stains more cases of plasma cell myeloma and occasionally some types of endothelial cells as well.
 Status: RUO

Catalog Number	Volume	Price
RA0071-C.1	0.1 ml	\$75.00
RA0071-C.5	0.5 ml	\$239.00

CD79a (B-Cell Marker); Clone JCB117 (Concentrate)

Species: Mouse
 Immunogen: A synthetic peptide corresponding to aa 202-216 (GTYYQDVGSLNIADVQ) of human CD79a protein.
 Clone: JCB117
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Daudi or Ramos cells. Germinal center B-cells in a lymph node or tonsil.
 Specificity: Anti-CD79a is generally used to complement anti-CD20 especially for mature B-cell lymphomas after treatment with Rituximab (anti-CD20). This antibody will stain many of the same lymphomas as anti-CD20, but also is more likely to stain B-lymphoblastic lymphoma/leukemia than is anti-CD20. Anti-CD79a also stains more cases of plasma cell myeloma and occasionally some types of endothelial cells as well.
 Status: RUO

Catalog Number	Volume	Price
RA0067-C.1	0.1 ml	\$75.00
RA0067-C.5	0.5 ml	\$239.00

CD8A (Cytotoxic & Suppressor T-Cell Marker); Clone C8/144B (Concentrate)

Species: Mouse
 Immunogen: A 13 amino acid peptide from C-terminal cytoplasmic domain of alpha chain of human CD8 molecule.
 Clone: C8/144B
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: HuT78 or hPBL. Tonsil.
 Specificity: CD8 is a 68 kDa transmembrane glycoprotein expressed as a heterodimer by a majority of thymocytes, and by major histocompatibility complex (MHC) class I restricted, mature, suppressor/cytotoxic T-cells.
 Status: RUO

Catalog Number	Volume	Price
RA0042-C.1	0.1 ml	\$75.00
RA0042-C.5	0.5 ml	\$239.00

CD8A (Cytotoxic & Suppressor T-Cell Marker); Clone C8/468 & C8/144B (Concentrate)

Species: Mouse
 Immunogen: Human CD8 recombinant protein (C8/468); A 13 amino acid synthetic peptide from the C-terminal cytoplasmic domain of alpha chain of human CD8 molecule (C8/144B)
 Clone: C8/468 & C8/144B
 Isotype: IgG1, kappa (C8/468); IgG1, kappa (C8/144B)
 Species Reactivity: Human. Others not known.
 Positive Control: HuT78 or hPBL. Tonsil.
 Specificity: CD8 is a 68 kDa transmembrane glycoprotein expressed as a heterodimer by a majority of thymocytes, and by major histocompatibility complex (MHC) class I restricted, mature, suppressor/cytotoxic T-cells.
 Status: RUO

Catalog Number	Volume	Price
RA0043-C.1	0.1 ml	\$75.00
RA0043-C.5	0.5 ml	\$239.00

CD8A (Cytotoxic & Suppressor T-Cell Marker); Clone C8/468 (Concentrate)

Species: Mouse
 Immunogen: Human CD8 recombinant protein
 Clone: C8/468
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: HuT78 or hPBL. Tonsil.
 Specificity: CD8 is a 68kDa transmembrane glycoprotein expressed as a heterodimer by a majority of thymocytes, and by major histocompatibility complex (MHC) class I restricted, mature, suppressor/cytotoxic T-cells.
 Status: RUO

Catalog Number	Volume	Price
RA0041-C.1	0.1 ml	\$75.00
RA0041-C.5	0.5 ml	\$239.00

CD99 / MIC2 (Ewing's Sarcoma Marker); Clone 12E7 & MIC2/877 (Concentrate)

Species: Mouse
 Immunogen: Human acute lymphocytic leukemia T-cells (12E7); Recombinant human MIC2 protein (MIC2/877)
 Clone: 12E7 & MIC2/877
 Isotype: IgG1, kappa (12E7); IgG1, kappa (MIC2/877)
 Species Reactivity: Human. Others not tested.
 Positive Control: MOLT-4 cells. Pancreas or Ewing's sarcoma.
 Specificity: Recognizes a sialoglycoprotein of 27-32kDa, identified as CD99, MIC2 gene product, or E2 antigen.
 Status: RUO

Catalog Number	Volume	Price
RA0206-C.1	0.1 ml	\$75.00
RA0206-C.5	0.5 ml	\$189.00

CD99 / MIC2 (Ewing's Sarcoma Marker); Clone 12E7 (Concentrate)

Species: Mouse
 Immunogen: Human acute lymphocytic leukemia T-cells
 Clone: 12E7
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not tested.
 Positive Control: MOLT-4 cells. Pancreas or Ewing's sarcoma.
 Specificity: Recognizes a sialoglycoprotein of 27-32kDa, identified as CD99, MIC2 gene product, or E2 antigen. This antibody shows a very similar reactivity to other CD99 antibodies (e.g. O13, 12E7, or HBA-71) and is excellent for immunohistochemical staining of formalin-fixed, paraffin-embedded tissues.
 Status: RUO

Catalog Number	Volume	Price
RA0204-C.1	0.1 ml	\$75.00
RA0204-C.5	0.5 ml	\$189.00

CD99 / MIC2 (Ewing's Sarcoma Marker); Clone HO36-1.1 (Concentrate)

Species: Mouse
 Immunogen: Purified E-rosette forming cells from human peripheral blood lymphocytes
 Clone: HO36-1.1
 Isotype: IgM, kappa
 Species Reactivity: Human and Rat. Others not tested.
 Positive Control: Pancreas or Ewing's sarcoma.
 Specificity: Recognizes a sialoglycoprotein of 27-32kDa, identified as CD99, MIC2 gene product, or E2 antigen. This antibody shows a very similar reactivity to other CD99 antibodies (e.g. O13, 12E7, or HBA-71) and is excellent for immunohistochemical staining of formalin-fixed, paraffin-embedded tissues.
 Status: RUO

Catalog Number	Volume	Price
RA0203-C.1	0.1 ml	\$75.00
RA0203-C.5	0.5 ml	\$189.00

CD99 / MIC2 (Ewing's Sarcoma Marker); Clone MIC2/877 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human MIC2 protein
 Clone: MIC2/877
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not tested.
 Positive Control: MOLT-4 cells. Pancreas or Ewing's sarcoma.
 Specificity: Recognizes a sialoglycoprotein of 27-32kDa, identified as CD99, MIC2 gene product, or E2 antigen.
 Status: RUO

Catalog Number	Volume	Price
RA0205-C.1	0.1 ml	\$75.00
RA0205-C.5	0.5 ml	\$239.00

CDw75 (B-Cell Marker); Clone LN-1 (Concentrate)

Species: Mouse
 Immunogen: Nuclei from pokeweed mitogen-stimulated peripheral blood lymphocytes.
 Clone: LN-1
 Isotype: IgM, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: HeLa or Daudi Cells. Germinal center B-cells in a lymph node or tonsil. Use LN1's ability to stain surface of erythrocytes as an internal positive control.
 Specificity: Recognizes a neuraminidase-sensitive sialoprotein (CDw75), present on cell membrane and cytoplasm of germinal center B-cells and derived lymphomas. This antibody reacts with RBC precursors of bone marrow, ductal, and ciliated epithelial cells of kidney, breast, prostate, pancreas, lung, and with glioblastomas, astrocytomas, and Reed Sternberg cells in lymphocyte predominant Hodgkin's disease.
 Status: RUO

Catalog Number	Volume	Price
RA0291-C.1	0.1 ml	\$75.00
RA0291-C.5	0.5 ml	\$239.00

Chromogranin A / CHGA (Neuroendocrine Marker); Clone CGA/414 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human chromogranin A protein
 Clone: CGA/414
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: PC12 cells. Adrenal gland, bowel, thyroid, pancreas, or pheochromocytoma.
 Specificity: Chromogranin A is present in neuroendocrine cells throughout the body, including the neuroendocrine cells of the large and small intestine, adrenal medulla and pancreatic islets. It is an excellent marker for carcinoid tumors, pheochromocytomas, paragangliomas, and other neuroendocrine tumors.
 Status: RUO

Catalog Number	Volume	Price
RA0090-C.1	0.1 ml	\$75.00
RA0090-C.5	0.5 ml	\$239.00

Chromogranin A / CHGA (Neuroendocrine Marker); Clone CHGA/765 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human CHGA protein
 Clone: CHGA/765
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: PC12 cells. Adrenal gland, bowel, thyroid, pancreas, or pheochromocytoma.
 Specificity: Chromogranin A is present in neuroendocrine cells throughout the body, including the neuroendocrine cells of the large and small intestine, adrenal medulla and pancreatic islets. It is an excellent marker for carcinoid tumors, pheochromocytomas, paragangliomas, and other neuroendocrine tumors.
 Status: RUO

Catalog Number	Volume	Price
RA0096-C.1	0.1 ml	\$75.00
RA0096-C.5	0.5 ml	\$239.00

Chromogranin A / CHGA (Neuroendocrine Marker); Clone CHGA/777 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human CHGA protein
 Clone: CHGA/777
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: PC12 cells. Adrenal gland, bowel, thyroid, pancreas, or pheochromocytoma.
 Specificity: Chromogranin A is present in neuroendocrine cells throughout the body, including the neuroendocrine cells of the large and small intestine, adrenal medulla and pancreatic islets. It is an excellent marker for carcinoid tumors, pheochromocytomas, paragangliomas, and other neuroendocrine tumors.
 Status: RUO

Catalog Number	Volume	Price
RA0097-C.1	0.1 ml	\$75.00
RA0097-C.5	0.5 ml	\$239.00

Chromogranin A / CHGA (Neuroendocrine Marker); Clone CHGA/798 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human CHGA protein
 Clone: CHGA/798
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: PC12 cells. Adrenal gland, bowel, thyroid, pancreas, or pheochromocytoma.
 Specificity: Chromogranin A is present in neuroendocrine cells throughout the body, including the neuroendocrine cells of the large and small intestine, adrenal medulla and pancreatic islets. It is an excellent marker for carcinoid tumors, pheochromocytomas, paragangliomas, and other neuroendocrine tumors.
 Status: RUO

Catalog Number	Volume	Price
RA0098-C.1	0.1 ml	\$75.00
RA0098-C.5	0.5 ml	\$239.00

Chromogranin A / CHGA (Neuroendocrine Marker); Clone LK2H10 & PHE5 (Concentrate)

Species: Mouse
 Immunogen: Human pheochromocytoma (LK2H10 & PHE5)
 Clone: LK2H10 & PHE5
 Isotype: IgG1, kappa (LK2H10 & PHE5)
 Species Reactivity: Human, Monkey, Pig, Mouse and Rat. Others not known.
 Positive Control: PC12 cells. Adrenal gland, bowel, thyroid, pancreas, or pheochromocytoma.
 Specificity: Chromogranin A is present in neuroendocrine cells throughout the body, including the neuroendocrine cells of the large and small intestine, adrenal medulla and pancreatic islets. It is an excellent marker for carcinoid tumors, pheochromocytomas, paragangliomas, and other neuroendocrine tumors.
 Status: RUO

Catalog Number	Volume	Price
RA0094-C.1	0.1 ml	\$75.00
RA0094-C.5	0.5 ml	\$239.00

Chromogranin A / CHGA (Neuroendocrine Marker); Clone LK2H10 (Concentrate)

Species: Mouse
 Immunogen: Human pheochromocytoma
 Clone: LK2H10
 Isotype: IgG1, kappa
 Species Reactivity: Human, Monkey, Pig, Mouse and Rat. Does not react with Guinea Pig, Sheep & Rabbit. Others not known.
 Positive Control: PC12 cells. Adrenal gland, bowel, thyroid, pancreas, or pheochromocytoma.
 Specificity: Chromogranin A is present in neuroendocrine cells throughout the body, including the neuroendocrine cells of the large and small intestine, adrenal medulla and pancreatic islets. It is an excellent marker for carcinoid tumors, pheochromocytomas, paragangliomas, and other neuroendocrine tumors.
 Status: RUO

Catalog Number	Volume	Price
RA0091-C.1	0.1 ml	\$75.00
RA0091-C.5	0.5 ml	\$239.00

Chromogranin A / CHGA (Neuroendocrine Marker); Clone LK2H10, PHE5 & CGA/414 (Concentrate)

Species: Mouse
 Immunogen: Human pheochromocytoma (LK2H10 & PHE5) & recombinant human chromogranin A protein (CGA414).
 Clone: LK2H10, PHE5 & CGA/414
 Isotype: IgG1, kappa (LK2H10, PHE5 & CGA/414)
 Species Reactivity: Human, Monkey, Pig, Mouse and Rat.
 Others not known.
 Positive Control: PC12 cells. Adrenal gland, bowel, thyroid, pancreas, or pheochromocytoma.
 Specificity: Chromogranin A is present in neuroendocrine cells throughout the body, including the neuroendocrine cells of the large and small intestine, adrenal medulla and pancreatic islets. It is an excellent marker for carcinoid tumors, pheochromocytomas, paragangliomas, and other neuroendocrine tumors.
 Status: RUO

Catalog Number	Volume	Price
RA0095-C.1	0.1 ml	\$75.00
RA0095-C.5	0.5 ml	\$239.00

Chromogranin A / CHGA (Neuroendocrine Marker); Clone PHE5 (Concentrate)

Species: Mouse
 Immunogen: Human pheochromocytoma
 Clone: PHE5
 Isotype: IgG1, kappa
 Species Reactivity: Human, Monkey. Does not react with Mouse and Rat. Others not known.
 Positive Control: PC12 cells. Adrenal gland, bowel, thyroid, pancreas, or pheochromocytoma.
 Specificity: Chromogranin A is present in neuroendocrine cells throughout the body, including the neuroendocrine cells of the large and small intestine, adrenal medulla and pancreatic islets. It is an excellent marker for carcinoid tumors, pheochromocytomas, paragangliomas, and other neuroendocrine tumors.
 Status: RUO

Catalog Number	Volume	Price
RA0093-C.1	0.1 ml	\$75.00
RA0093-C.5	0.5 ml	\$239.00

c-Myc Oncoprotein; Clone 9E10.3 (Concentrate)

Species: Mouse
 Immunogen: A synthetic peptide, corresponding to aa 408-439 (AEEQKLISEEDLLRKRREQLKHKLEQLRNSCA) from the C-terminus of human c-Myc, coupled to KLH.
 Clone: 9E10.3
 Isotype: IgG1, kappa
 Species Reactivity: Human. Does not react with Mouse, Rat, or Chicken. Others not tested.
 Positive Control: HL-60 cells or breast carcinoma.
 Specificity: This antibody recognizes a transcription factor of 64-67kDa, identified as c-Myc. Its epitope spans between aa 410-419 (EQKLISEEDL) which is a specific portion of an alpha helical region of the human c-Myc protein. This antibody shows no cross-reaction with v-Myc.
 Status: RUO

Catalog Number	Volume	Price
RA0226-C.1	0.1 ml	\$75.00
RA0226-C.5	0.5 ml	\$226.00

c-Myc Oncoprotein; Clone MYC909 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human c-Myc protein
 Clone: MYC909
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not tested.
 Positive Control: HL-60 cells or breast carcinoma.
 Specificity: This antibody recognizes a transcription factor of 64-67kDa, identified as c-Myc. Its epitope spans between aa 410-419 (EQKLISEEDL) which is a specific portion of an alpha helical region of the human c-Myc protein. This antibody shows no cross-reaction with v-Myc.
 Status: RUO

Catalog Number	Volume	Price
RA0227-C.1	0.1 ml	\$75.00
RA0227-C.5	0.5 ml	\$239.00

Complement 4d (C4d) (Acute Humoral Rejection Marker); Clone C4D204 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human Complement 4d protein
 Clone: C4D204
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Rejected Renal Transplant Tissue
 Specificity: This Mab is specific to Complement 4d (C4d) and it reacts with the secreted as well as cell-bound C4d.
 Status: RUO

Catalog Number	Volume	Price
RA0025-C.1	0.1 ml	\$75.00
RA0025-C.5	0.5 ml	\$239.00

Cyclin B1 (G2- & M-phase Cyclin); Clone CCNB1/1098 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human CCNB1 protein
 Clone: CCNB1/1098
 Isotype: IgG1, kappa
 Species Reactivity: Human and Mouse. Others not known.
 Positive Control: Any human cell line in logarithmic growth phase, tonsil, or testis.
 Specificity: This antibody recognizes a protein of 55-62kDa, identified as cyclin B1.
 Status: RUO

Catalog Number	Volume	Price
RA0429-C.5	0.5 ml	\$239.00

Cyclin D1 (G1-Cyclin & Mantle Cell Marker); Clone DCS-6 (Concentrate)

Species: Mouse
 Immunogen: Human recombinant full length Cyclin D1 protein
 Clone: DCS-6
 Isotype: IgG2a, kappa
 Species Reactivity: Human, Monkey, Mouse and Rat. Others not known.
 Positive Control: T47D, ZR75, BT474, SKBR3, MCF-7, MDA-MB-453, HT29, Ramos, Jurkat or A431 cells. Mantle cell lymphoma or breast carcinoma. ~60% of mantle cell lymphomas and ~40% of breast carcinomas are positive.
 Specificity: Recognizes a protein of 36kDa, identified as Cyclin D1.
 Status: RUO

Catalog Number	Volume	Price
RA0014-C.1	0.1 ml	\$75.00
RA0014-C.5	0.5 ml	\$239.00

Cytochrome c (Mitochondrial Marker); Clone 7H8.2C12 (Concentrate)

Species: Mouse
 Immunogen: Synthetic peptides corresponding to amino acids 1-80, 81-104 and 66-104 of pigeon cytochrome c.
 Clone: 7H8.2C12
 Isotype: IgG2b, kappa
 Species Reactivity: Human, Mouse, Rat, Horse, Dog, Pigeon, Frog, and Drosophila. Others not known.
 Positive Control: K-562, HL-60, Jurkat, NIH3T3, or PC-3 cells. Cardiac muscle.
 Specificity: This antibody recognizes an epitope within amino acids 93-104 of pigeon cytochrome c.
 Status: RUO

Catalog Number	Volume	Price
RA0359-C.1	0.1 ml	\$75.00
RA0359-C.5	0.5 ml	\$239.00

Cytochrome c (Mitochondrial Marker); Clone CTC05 (Concentrate)

Species: Mouse
 Immunogen: Recombinant cytochrome c protein
 Clone: CTC05
 Isotype: IgG2b, kappa
 Species Reactivity: Human, Mouse, Rat, Horse, Dog, Pigeon, Frog, and Drosophila. Others not known.
 Positive Control: K-562, HL-60, Jurkat, NIH3T3, or PC-3 cells. Cardiac muscle.
 Specificity: Recognizes cytochrome c in a wide range of species, from Drosophila to human.
 Status: RUO

Catalog Number	Volume	Price
RA0360-C.1	0.1 ml	\$75.00
RA0360-C.5	0.5 ml	\$239.00

Cytokeratin 10 (Suprabasal Epithelial Marker); Clone AE20 (Concentrate)

Species: Mouse
 Immunogen: Human cytokeratin 10
 Clone: AE20
 Isotype: IgG1, kappa
 Species Reactivity: Human and Mouse. Others not known.
 Positive Control: A431, HeLa, MCF7 cells or Esophagus.
 Specificity: This antibody recognizes a protein of 56.5kDa, identified as cytokeratin 10 (CK10).
 Status: RUO

Catalog Number	Volume	Price
RA0179-C.1	0.1 ml	\$75.00
RA0179-C.5	0.5 ml	\$239.00

Cytokeratin 10 (Suprabasal Epithelial Marker); Clone KRT10/844 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human KRT10 protein
 Clone: KRT10/844
 Isotype: IgG1, kappa
 Species Reactivity: Human and Mouse. Others not known.
 Positive Control: A431, HeLa, MCF7 cells or Esophagus.
 Specificity: This antibody recognizes a protein of 56.5kDa, identified as cytokeratin 10 (CK10).
 Status: RUO

Catalog Number	Volume	Price
RA0180-C.1	0.1 ml	\$75.00
RA0180-C.5	0.5 ml	\$239.00

Cytokeratin 14 (KRT14) (Squamous Cell Marker); Clone LL002 (Concentrate)

Species: Mouse
 Immunogen: A synthetic peptide of 15 amino acids from the C-terminus of human keratin 14.
 Clone: LL002
 Isotype: IgG3
 Species Reactivity: Human, Mouse, and Rat. Others not known.
 Positive Control: A431 cells. Skin or Squamous cell carcinoma.
 Specificity: Anti-CK14 is useful in differentiating squamous cell carcinomas from poorly differentiated epithelial tumors. Anti-CK14 is one of the specific basal markers for distinguishing between basal and non-basal subtypes of breast carcinomas. Anti-CK14 is also a good marker for differentiation of intraductal from invasive salivary duct carcinoma by the positive staining of basal cells surrounding the in-situ neoplasm as well as for the differentiation of benign prostate from prostate carcinoma. Furthermore, this antibody has been useful in separating oncocytic tumors of the kidney from its renal mimics, and in identifying metaplastic carcinomas of the breast.
 Status: RUO

Catalog Number	Volume	Price
RA0181-C.1	0.1 ml	\$75.00
RA0181-C.5	0.5 ml	\$239.00

Cytokeratin 17 (KRT17) (Basal Epithelial Marker); Clone E3 (Ks17.E3) (Concentrate)

Species: Mouse
 Immunogen: The cytoskeletal fraction of rat colon epithelium
 Clone: E3 (Ks17.E3)
 Isotype: IgG2b, kappa
 Species Reactivity: Human, Rat, Cow, Goat and Pig. Others not known.

Positive Control: T24 cells or skin.
 Specificity: This antibody to CK17 is an excellent tool to distinguish myoepithelial cells from luminal epithelium of various glands such as mammary, sweat and salivary. CK17 is expressed in epithelial cells of various origins, such as bronchial epithelial cells and skin appendages. It may be considered as an "epithelial stem cell" marker because the CK17 antibody marks basal cell differentiation.

Status: RUO

Catalog Number	Volume	Price
RA0182-C.1	0.1 ml	\$75.00
RA0182-C.5	0.5 ml	\$239.00

Cytokeratin 17 (KRT17) (Basal Epithelial Marker); Clone KRT17/778 (Concentrate)

Species: Mouse
 Immunogen: The cytoskeletal fraction of rat colon epithelium
 Clone: KRT17/778
 Isotype: IgG2b, kappa
 Species Reactivity: Human, Rat, Cow, Goat and Pig. Others not known.

Positive Control: T24 cells or skin.
 Specificity: This antibody to CK17 is an excellent tool to distinguish myoepithelial cells from luminal epithelium of various glands such as mammary, sweat and salivary. CK17 is expressed in epithelial cells of various origins, such as bronchial epithelial cells and skin appendages. It may be considered as an "epithelial stem cell" marker because the CK17 antibody marks basal cell differentiation.

Status: RUO

Catalog Number	Volume	Price
RA0183-C.1	0.1 ml	\$75.00
RA0183-C.5	0.5 ml	\$239.00

Cytokeratin 18 (KRT18); Clone DA7 (Concentrate)

Species: Mouse
 Immunogen: Human breast cancer PMC 42 cells
 Clone: DA7
 Isotype: IgG1, kappa
 Species Reactivity: Human. Does not react with Mouse, Rat, Sheep, Hamster, Cow, Dog and Pig. Others not known.
 Positive Control: MCF-7, HeLa cells, or Breast Cancer.
 Specificity: This antibody reacts with a wide variety of simple epithelia. It does not react with stratified squamous epithelia. It reacts with epithelial tumors of the gastrointestinal tract, lung, breast, pancreas, ovary, and thyroid.

Status: RUO

Catalog Number	Volume	Price
RA0185-C.1	0.1 ml	\$75.00
RA0185-C.5	0.5 ml	\$239.00

Cytokeratin 18 (KRT18); Clone DC10 (Concentrate)

Species: Mouse
 Immunogen: Human breast cancer PMC 42 cells
 Clone: DC10
 Isotype: IgG1
 Species Reactivity: Human. Does not react with Mouse, Rat, Sheep, Hamster, Cow, Dog and Pig. Others not known.
 Positive Control: MCF-7, HeLa, A431 cells or Breast Cancer.
 Specificity: This antibody reacts with a wide variety of simple epithelia. It does not react with stratified squamous epithelia. It reacts with epithelial tumors of the gastrointestinal tract, lung, breast, pancreas, ovary, and thyroid.

Status: RUO

Catalog Number	Volume	Price
RA0184-C.1	0.1 ml	\$75.00
RA0184-C.5	0.5 ml	\$239.00

Cytokeratin 18 (KRT18); Clone DE-K18 (Concentrate)

Species: Mouse
 Immunogen: Cytoskeletal preparation extracted from the human vulvar squamous carcinoma cell line A431
 Clone: DE-K18
 Isotype: IgG1, kappa
 Species Reactivity: Human, Dog and Cat. Others not known.
 Positive Control: MCF-7, HeLa cells, or Breast Cancer.

Specificity: This antibody reacts with a wide variety of simple epithelia. It does not react with stratified squamous epithelia. It reacts with epithelial tumors of the gastrointestinal tract, lung, breast, pancreas, ovary, and thyroid.

Status: RUO

Catalog Number	Volume	Price
RA0186-C.1	0.1 ml	\$75.00
RA0186-C.5	0.5 ml	\$239.00

Cytokeratin 18 (KRT18); Clone KRT18/834 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human KRT18 protein
 Clone: KRT18/834
 Isotype: IgG1
 Species Reactivity: Human. Does not react with Mouse, Rat, Sheep, Hamster, Cow, Dog and Pig. Others not known.
 Positive Control: MCF-7, HeLa, A431 cells, or Breast Cancer.
 Specificity: This antibody reacts with a wide variety of simple epithelia. It does not react with stratified squamous epithelia. It reacts with epithelial tumors of the gastrointestinal tract, lung, breast, pancreas, ovary, and thyroid.

Status: RUO

Catalog Number	Volume	Price
RA0187-C.1	0.1 ml	\$75.00
RA0187-C.5	0.5 ml	\$239.00

Cytokeratin 18 (KRT18); Clone KRT18/835 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human KRT18 protein
 Clone: KRT18/835
 Isotype: IgG1
 Species Reactivity: Human. Does not react with Mouse, Rat, Sheep, Hamster, Cow, Dog and Pig. Others not known.
 Positive Control: MCF-7, HeLa, A431 cells, or Breast Cancer.
 Specificity: This antibody reacts with a wide variety of simple epithelia. It does not react with stratified squamous epithelia. It reacts with epithelial tumors of the gastrointestinal tract, lung, breast, pancreas, ovary, and thyroid.
 Status: RUO

Catalog Number	Volume	Price
RA0188-C.1	0.1 ml	\$75.00
RA0188-C.5	0.5 ml	\$239.00

Cytokeratin 18 (KRT18); Clone KRT18/836 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human KRT18 protein
 Clone: KRT18/836
 Isotype: IgG1
 Species Reactivity: Human, Dog, and Cat. Others not known.
 Positive Control: MCF-7, HeLa, A431 cells, or Breast Cancer.
 Specificity: This antibody reacts with a wide variety of simple epithelia. It does not react with stratified squamous epithelia. It reacts with epithelial tumors of the gastrointestinal tract, lung, breast, pancreas, ovary, and thyroid.
 Status: RUO

Catalog Number	Volume	Price
RA0189-C.1	0.1 ml	\$75.00
RA0189-C.5	0.5 ml	\$239.00

Cytokeratin 19 (KRT19) (Pancreatic Stem Cell Marker); Clone A53-B/A2.26 & BA17 (Concentrate)

Species: Mouse
 Immunogen: Human breast cancer MCF-7 cells (A53-B/A2); Human mammary epithelial organoids (BA17)
 Clone: A53-B/A2.26 & BA17
 Isotype: IgG2a, kappa (A53-B/A2); IgG1, kappa (BA17)
 Species Reactivity: Human and Mouse. Others not known.
 Positive Control: MCF-7, HeLa, Hep-G2 cells, breast cancer.
 Specificity: This antibody reacts with the rod domain of human cytokeratin-19 (CK19), a polypeptide of 40kDa.
 Status: RUO

Catalog Number	Volume	Price
RA0192-C.1	0.1 ml	\$75.00
RA0192-C.5	0.5 ml	\$239.00

Cytokeratin 19 (KRT19) (Pancreatic Stem Cell Marker); Clone A53-B/A2.26 (Ks19.1) (Concentrate)

Species: Mouse
 Immunogen: Human breast cancer MCF-7 cells
 Clone: A53-B/A2.26 (Ks19.1)
 Isotype: IgG2a, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: MCF-7, HeLa, Hep-G2 cells, breast cancer.
 Specificity: This antibody reacts with the rod domain of human cytokeratin-19 (CK19), a polypeptide of 40kDa. Its epitope maps between amino acids 312-335.
 Status: RUO

Catalog Number	Volume	Price
RA0190-C.1	0.1 ml	\$75.00
RA0190-C.5	0.5 ml	\$239.00

Cytokeratin 19 (KRT19) (Pancreatic Stem Cell Marker); Clone BA17 (Concentrate)

Species: Mouse
 Immunogen: Human mammary epithelial organoids.
 Clone: BA17
 Isotype: IgG1, kappa
 Species Reactivity: Human and Mouse. Others not known.
 Positive Control: MCF-7, HeLa cells, breast cancer.
 Specificity: This antibody reacts with the rod domain of human cytokeratin-19 (CK19), a polypeptide of 40kDa.
 Status: RUO

Catalog Number	Volume	Price
RA0191-C.1	0.1 ml	\$75.00
RA0191-C.5	0.5 ml	\$239.00

Cytokeratin 19 (KRT19) (Pancreatic Stem Cell Marker); Clone KRT19/799 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human KRT19 protein
 Clone: KRT19/799
 Isotype: IgG2a, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: MCF-7, HeLa, Hep-G2 cells, breast cancer.
 Specificity: This antibody reacts with human cytokeratin-19 (CK19), a polypeptide of 40kDa.
 Status: RUO

Catalog Number	Volume	Price
RA0193-C.1	0.1 ml	\$75.00
RA0193-C.5	0.5 ml	\$239.00

Cytokeratin 19 (KRT19) (Pancreatic Stem Cell Marker); Clone KRT19/800 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human KRT19 protein
 Clone: KRT19/800
 Isotype: IgG1, kappa
 Species Reactivity: Human and Mouse. Others not known.
 Positive Control: MCF-7, HeLa cells, breast cancer.
 Specificity: This antibody reacts with cytokeratin-19 (CK19), a polypeptide of 40kDa.
 Status: RUO

Catalog Number	Volume	Price
RA0194-C.1	0.1 ml	\$75.00
RA0194-C.5	0.5 ml	\$239.00

Cytokeratin 7 (Glandular and Transitional Epithelial Marker); Clone K72.7 (Concentrate)

Species: Mouse

Immunogen: Semi-purified cytokeratin preparation.

Clone: K72.7

Isotype: IgG1 Species Reactivity: Human. Others not known.

Positive Control: HeLa cells. Carcinoma of ovary, lung, cervix, or breast.

Specificity: This antibody recognizes an intermediate filament protein (IFP) of 55kDa, which is identified as cytokeratin 7. This antibody is highly specific to cytokeratin 7 and shows no cross-reaction with other IFPs.

Status: RUO

Catalog Number	Volume	Price
RA0170-C.1	0.1 ml	\$75.00
RA0170-C.5	0.5 ml	\$239.00

Cytokeratin 7 (Glandular and Transitional Epithelial Marker); Clone KRT7/760 (Concentrate)

Species: Mouse

Immunogen: Recombinant human KRT7 protein

Clone: KRT7/760

Isotype: IgG1

Species Reactivity: Human. Others not known.

Positive Control: HeLa cells. Carcinoma of ovary, lung, cervix, or breast.

Specificity: This antibody recognizes an intermediate filament protein (IFP) of 55kDa, which is identified as cytokeratin 7. This antibody is highly specific to cytokeratin 7 and shows no cross-reaction with other IFPs.

Status: RUO

Catalog Number	Volume	Price
RA0171-C.1	0.1 ml	\$75.00
RA0171-C.5	0.5 ml	\$239.00

Cytokeratin 7 (Glandular and Transitional Epithelial Marker); Clone OV-TL12/30 & K72.7 (Concentrate)

Species: Mouse

Immunogen: OTN 11, ovarian carcinoma cell line (OV-TL12/30); Semi-purified cytokeratin preparation (K72.7)

Clone: OV-TL12/30 & K72.7

Isotype: IgG1 (OV-TL12/30 & K72.7)

Species Reactivity: Human. Others not known.

Positive Control: HeLa cells. Carcinoma of ovary, lung, cervix, or breast.

Specificity: This antibody recognizes an intermediate filament protein (IFP) of 55kDa, which is identified as cytokeratin 7. This antibody is highly specific to cytokeratin 7 and shows no cross-reaction with other IFPs.

Status: RUO

Catalog Number	Volume	Price
RA0172-C.1	0.1 ml	\$75.00
RA0172-C.5	0.5 ml	\$239.00

Cytokeratin 7 (Glandular and Transitional Epithelial Marker); Clone OV-TL12/30 (Concentrate)

Species: Mouse

Immunogen: OTN 11, ovarian carcinoma cell line

Clone: OV-TL12/30

Isotype: IgG1

Species Reactivity: Human. Others not known.

Positive Control: HeLa cells. Carcinoma of ovary, lung, cervix, or breast.

Specificity: This antibody recognizes an intermediate filament protein (IFP) of 55kDa, which is identified as cytokeratin 7. This antibody is highly specific to cytokeratin 7 and shows no cross-reaction with other IFPs.

Status: RUO

Catalog Number	Volume	Price
RA0169-C.1	0.1 ml	\$75.00
RA0169-C.5	0.5 ml	\$239.00

Cytokeratin 8 (KRT8); Clone 34BH11 (Concentrate)

Species: Mouse

Immunogen: Cytoskeletal extract of a human hepatocellular carcinoma cell line (Hep3B)

Clone: 34BH11

Isotype: IgM, kappa

Species Reactivity: Human, Monkey, and Rabbit. Others not known.

Positive Control: MCF-7 or A431 cells. Skin, colon, lung, or breast carcinoma.

Specificity: Anti-CK8 does not react with skeletal muscle or nerve cells. Epithelioid sarcoma, chordoma, and adamantinoma show strong positivity corresponding to that of simple epithelia (with antibodies against CK8, CK18 and CK19). Reportedly, anti-CK8 is useful for the differentiation of lobular ("ring-like, perinuclear") from ductal ("peripheral-predominant") carcinoma of the breast.

Status: RUO

Catalog Number	Volume	Price
RA0178-C.1	0.1 ml	\$75.00
RA0178-C.5	0.5 ml	\$239.00

Cytokeratin 8 (KRT8); Clone H1 & TS1 (Concentrate)

Species: Mouse

Immunogen: Cytoskeleton preparation containing cytokeratin 8 (H1); Keratin preparation from a human carcinoma (TS1).

Clone: H1 & TS1

Isotype: IgG1 (H1); IgG1 (TS1).

Species Reactivity: Human, Rat and Zebrafish. Others not known.

Positive Control: MCF-7 or A431 cells. Skin, colon, lung, or breast carcinoma.

Specificity: Anti-CK8 does not react with skeletal muscle or nerve cells. Epithelioid sarcoma, chordoma, and adamantinoma show strong positivity corresponding to that of simple epithelia (with antibodies against CK8, CK18 and CK19). Reportedly, anti-CK8 is useful for the differentiation of lobular ("ring-like, perinuclear") from ductal ("peripheral-predominant") carcinoma of the breast.

Status: RUO

Catalog Number	Volume	Price
RA0176-C.1	0.1 ml	\$75.00
RA0176-C.5	0.5 ml	\$239.00

Cytokeratin 8 (KRT8); Clone H1 (Concentrate)

Species: Mouse
 Immunogen: Cytoskeleton preparation containing cytokeratin 8
 Clone: H1
 Isotype: IgG1
 Species Reactivity: Human, Rat, Zebrafish. Others not known.
 Positive Control: MCF-7 or A431 cells. Skin, colon, lung, or breast carcinoma.
 Specificity: Anti-CK8 does not react with skeletal muscle or nerve cells. Epithelioid sarcoma, chordoma, and adamantinoma show strong positivity corresponding to that of simple epithelia (with antibodies against CK8, CK18 and CK19). Reportedly, anti-CK8 is useful for the differentiation of lobular ("ring-like, perinuclear") from ductal ("peripheral-predominant") carcinoma of the breast.
 Status: RUO

Catalog Number	Volume	Price
RA0173-C.1	0.1 ml	\$75.00
RA0173-C.5	0.5 ml	\$239.00

Cytokeratin 8 (KRT8); Clone K8/383 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human cytokeratin 8 protein
 Clone: K8/383
 Isotype: IgG1
 Species Reactivity: Human, Rat, Zebrafish. Others not known.
 Positive Control: MCF-7 or A431 cells. Skin, colon, lung, or breast carcinoma.
 Specificity: Anti-CK8 does not react with skeletal muscle or nerve cells. Epithelioid sarcoma, chordoma, and adamantinoma show strong positivity corresponding to that of simple epithelia (with antibodies against CK8, CK18 and CK19). Reportedly, anti-CK8 is useful for the differentiation of lobular ("ring-like, perinuclear") from ductal ("peripheral-predominant") carcinoma of the breast.
 Status: RUO

Catalog Number	Volume	Price
RA0174-C.1	0.1 ml	\$75.00
RA0174-C.5	0.5 ml	\$239.00

Cytokeratin 8 (KRT8); Clone KRT8/818 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human KRT8 protein
 Clone: KRT8/818
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: MCF-7 or A431 cells. Skin, colon, lung, or breast carcinoma.
 Specificity: Anti-CK8 does not react with skeletal muscle or nerve cells. Epithelioid sarcoma, chordoma, and adamantinoma show strong positivity corresponding to that of simple epithelia (with antibodies against CK8, CK18 and CK19). Reportedly, anti-CK8 is useful for the differentiation of lobular ("ring-like, perinuclear") from ductal ("peripheral-predominant") carcinoma of the breast.
 Status: RUO

Catalog Number	Volume	Price
RA0177-C.1	0.1 ml	\$75.00
RA0177-C.5	0.5 ml	\$239.00

Cytokeratin 8 (KRT8); Clone TS1 (Concentrate)

Species: Mouse
 Immunogen: Keratin preparation from a human carcinoma
 Clone: TS1
 Isotype: IgG1, kappa
 Species Reactivity: Human. Does not react with Rat. Others not known.
 Positive Control: MCF-7 or A431 cells. Skin, colon, lung, or breast carcinoma.
 Specificity: The epitope of this antibody is located between aa 343-357. Anti-CK8 does not react with skeletal muscle or nerve cells. Epithelioid sarcoma, chordoma, and adamantinoma show strong positivity corresponding to that of simple epithelia (with antibodies against CK8, CK18 and CK19). Reportedly, anti-CK8 is useful for the differentiation of lobular ("ring-like, perinuclear") from ductal ("peripheral-predominant") carcinoma of the breast.
 Status: RUO

Catalog Number	Volume	Price
RA0175-C.1	0.1 ml	\$75.00
RA0175-C.5	0.5 ml	\$239.00

Cytokeratin 8/18 (Epithelial Marker); Clone C-43 & DC10 (Concentrate)

Species: Mouse
 Immunogen: Cytoskeletal preparation from HeLa epithelioid carcinoma cells (C-43) and PMC-42 breast carcinoma cells of human origin (DC10)
 Clone: C-43 & DC10
 Isotype: IgG1, kappa (C-43); IgG1, kappa (DC10)
 Species Reactivity: Human. Others not known.
 Positive Control: MCF-7, HeLa, PMC-42, or A431 cells. Skin, colon, lung, or breast carcinoma.
 Specificity: This antibody cocktail recognizes all simple epithelia including glandular epithelium, for example, thyroid, female breast, gastrointestinal tract, respiratory tract, and urogenital tract including transitional epithelium. All adenocarcinomas and most squamous carcinomas are positive, but keratinizing squamous carcinomas are usually negative.
 Status: RUO

Catalog Number	Volume	Price
RA0388-C.1	0.1 ml	\$75.00
RA0388-C.5	0.5 ml	\$239.00

Cytokeratin 8/18 (Epithelial Marker); Clone K8.8 & DC10 (Concentrate)

Species: Mouse
 Immunogen: Keratin preparation from a human carcinoma (K8.8); PMC-42 human breast carcinoma cells (DC10)
 Clone: K8.8 & DC10
 Isotype: IgG1, kappa (K8.8); IgG1, kappa (DC10)
 Species Reactivity: Human. Others not known.
 Positive Control: MCF-7 or A431 cells. Skin, Colon, lung or breast carcinoma.
 Specificity: This antibody cocktail recognizes all simple epithelia including glandular epithelium, for example, thyroid, female breast, gastrointestinal tract, respiratory tract, and urogenital tract including transitional epithelium. All adenocarcinomas and most squamous carcinomas are positive, but keratinizing squamous carcinomas are usually negative.
 Status: RUO

Catalog Number	Volume	Price
RA0387-C.1	0.1 ml	\$75.00
RA0387-C.5	0.5 ml	\$239.00

Cytokeratin, Acidic (Type I or LMW) (Epithelial Marker); Clone AE-1 (Concentrate)

Species: Mouse
 Immunogen: Human epidermal keratin
 Clone: AE-1
 Isotype: IgG1, kappa
 Species Reactivity: Human, Monkey, Cow, Dog, Rabbit, Mouse, Rat, Chicken, Turtle. Others not known.
 Positive Control: Skin, Squamous cell carcinoma (SCC).
 Specificity: This antibody recognizes the 56.5kDa (CK10); 50kDa (CK14); 50kDa (CK15); 48kDa (CK16); 40kDa (CK19) keratins of the acidic (Type I or LMW) subfamily.
 Status: RUO

Catalog Number	Volume	Price
RA0385-C.1	0.1 ml	\$75.00
RA0385-C.5	0.5 ml	\$239.00

Cytokeratin, Acidic (Type I or LMW) (Epithelial Marker); Clone KRTL (Concentrate)

Species: Mouse
 Immunogen: Keratin preparation from a human carcinoma
 Clone: KRTL
 Isotype: IgG1, kappa
 Species Reactivity: Human. Shows broad species reactivity.
 Positive Control: Skin, Squamous cell carcinoma (SCC).
 Specificity: This antibody recognizes the 56.5kDa (CK10); 50kDa (CK14); 50kDa (CK15); 48kDa (CK16); 40kDa (CK19) keratins of the acidic (Type I or LMW) subfamily.
 Status: RUO

Catalog Number	Volume	Price
RA0389-C.1	0.1 ml	\$75.00
RA0389-C.5	0.5 ml	\$239.00

Cytokeratin, Basic (Type II or HMW) (Epithelial Marker); Clone 34BE12 (Concentrate)

Species: Mouse
 Immunogen: Solubilized keratin extract from human stratum corneum
 Clone: 34BE12
 Isotype: IgG1, kappa
 Species Reactivity: Human, Mouse, and Rat. Others not known.
 Positive Control: PC12 cells, skin, prostate carcinoma.
 Specificity: This antibody recognizes CK1, CK5, CK10, and CK14. In normal epithelia, it stains stratified epithelia, myoepithelial cells, and basal cells in the prostate gland and bronchi. This antibody shows no reactivity with hepatocytes, pancreatic acinar cells, proximal renal tubules, or endometrial glands; there is no reactivity with cells derived from simple epithelia. Mesenchymal tumors, lymphomas, melanomas, neural tumors, and neuroendocrine tumors are negative with this antibody.
 Status: RUO

Catalog Number	Volume	Price
RA0383-C.1	0.1 ml	\$75.00
RA0383-C.5	0.5 ml	\$239.00

Cytokeratin, Basic (Type II or HMW) (Epithelial Marker); Clone AE-3 (Concentrate)

Species: Mouse
 Immunogen: Human epidermal keratin
 Clone: AE-3
 Isotype: IgG1, kappa
 Species Reactivity: Human, Monkey, Cow, Dog, Rabbit, Mouse, Rat, Chicken. Others not known.
 Positive Control: Epithelial cells, skin or adenocarcinomas.
 Specificity: This antibody recognizes basic (Type II or HMW) cytokeratins, which include 67kDa (CK1); 64kDa (CK3); 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 52kDa (CK8).
 Status: RUO

Catalog Number	Volume	Price
RA0386-C.1	0.1 ml	\$75.00
RA0386-C.5	0.5 ml	\$239.00

Cytokeratin, Basic (Type II or HMW) (Epithelial Marker); Clone KRTH (Concentrate)

Species: Mouse
 Immunogen: Keratin preparation from a human carcinoma
 Clone: KRTH
 Isotype: IgG1, kappa
 Species Reactivity: Human. Shows broad species reactivity.
 Positive Control: Skin, Adenocarcinomas.
 Specificity: This antibody recognizes basic (Type II or HMW) cytokeratins, which include 67kDa (CK1); 64kDa (CK3); 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 52kDa (CK8).
 Status: RUO

Catalog Number	Volume	Price
RA0390-C.1	0.1 ml	\$75.00
RA0390-C.5	0.5 ml	\$239.00

Cytokeratin, Multi (Epithelial Marker); Clone C11 (Concentrate)

Species: Mouse
 Immunogen: Keratin-enriched preparation from cultured human A431
 Clone: C11
 Isotype: IgG1
 Species Reactivity: Human, Cow, Rat, Mouse, Guinea pig, Frog, Goat, Marmoset, and Pig. Others not known.
 Positive Control: A431 cells, skin, colon carcinoma.
 Specificity: This antibody recognizes cytokeratins 4, 5, 6, 8, 10, 13, and 18.
 Status: RUO

Catalog Number	Volume	Price
RA0381-C.1	0.1 ml	\$75.00
RA0381-C.5	0.5 ml	\$239.00

Cytokeratin, Pan (Epithelial Marker); Clone AE-1 & AE-3 (Concentrate)

Species: Mouse
 Immunogen: Human epidermal keratin
 Clone: AE-1 & AE-3
 Isotype: IgG1, kappa (AE-1); IgG1, kappa (AE-3)
 Species Reactivity: Human, Monkey, Cow, Dog, Rabbit, Mouse, Rat, Chicken. Others not known.
 Positive Control: Skin, Adeno- or Squamous carcinomas.
 Specificity: This antibody cocktail recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, which include 67kDa (CK1); 64kDa (CK3); 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 52kDa (CK8); 56.5kDa (CK10); 50kDa (CK14); 50kDa (CK15); 48kDa (CK16); 40kDa (CK19). This antibody stains cytokeratins present in normal and abnormal human tissues and has shown high sensitivity in the recognition of epithelial cells and carcinomas.
 Status: RUO

Catalog Number	Volume	Price
RA0382-C.1	0.1 ml	\$75.00
RA0382-C.5	0.5 ml	\$239.00

Cytokeratin, Pan (Epithelial Marker); Clone KRTL & KRTH (Concentrate)

Species: Mouse
 Immunogen: Keratin preparation from a human carcinoma
 Clone: KRTL & KRTH
 Isotype: IgG1, kappa (KRTL); IgG1, kappa (KRTH)
 Species Reactivity: Human. Shows broad species reactivity.
 Positive Control: Skin, Adeno- or Squamous carcinomas.
 Specificity: This antibody cocktail recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, which include CK1, CK3, CK4, CK5, CK6, CK8, CK10, CK14, CK15, CK16, and CK19. This antibody stains cytokeratins present in normal and abnormal human tissues and has shown high sensitivity in the recognition of epithelial cells and carcinomas.
 Status: RUO

Catalog Number	Volume	Price
RA0391-C.1	0.1 ml	\$75.00
RA0391-C.5	0.5 ml	\$239.00

Cytokeratin, pan (Epithelial Marker); Clone PAN-CK (Concentrate)

Species: Mouse
 Immunogen: Human epidermal keratin
 Clone: PAN-CK
 Isotype: IgG's, kappa
 Species Reactivity: Human, Monkey, Cow, Dog, Rabbit, Mouse, Rat, Chicken. Others not known.
 Positive Control: Skin, Adeno- or Squamous carcinomas
 Specificity: This antibody cocktail recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, with 67kDa (CK1); 64kDa (CK3); 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 55kDa (CK7); 52kDa (CK8); 56.5kDa (CK10); 53kDa (CK13); 50kDa (CK14); 50kDa (CK15); 48kDa (CK16); 46kDa (CK17); 45kDa (CK18) and 40kDa (CK19). This antibody stains cytokeratins present in normal and abnormal human tissues and shows high sensitivity in the recognition of epithelial cells and carcinomas.
 Status: RUO

Catalog Number	Volume	Price
RA0430-C.5	0.5 ml	\$239.00

DOG-1 / TMEM16A (Marker for Gastrointestinal Stromal Tumors); Clone DG1/447 & DOG-1.1 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human DOG-1 protein (DG1/447); A synthetic peptide from human DOG-1 protein (MSDFVDWVIPDKDISQQIHKEKVLMLVLEFMREEQDKQQ LLETCKMEKERQKDEPPCNHNTKACPDLSLSPAPSHAYHG GVL), conjugated to a carrier protein (DOG-1.1).
 Clone: DG1/447 & DOG-1.1
 Isotype: IgG1, kappa (DG1/447 & DOG-1.1)
 Species Reactivity: Human. Others not known.
 Positive Control: Gastrointestinal Stromal Tumor (GIST) or testicular germ cell tumor. Melanocytes in the basal layer of the epidermis and mast cells in the dermis of normal skin.
 Specificity: This monoclonal antibody recognizes Human DOG1. It is a sensitive and specific immunohistochemical marker for GIST, comparable with c-Kit, with the additional benefit of detecting c-Kit-negative GISTs. It is also a sensitive marker for unusual GIST subgroups lacking c-Kit or PDGFRA mutations.
 Status: RUO

Catalog Number	Volume	Price
RA0364-C.1	0.1 ml	\$75.00
RA0364-C.5	0.5 ml	\$239.00

DOG-1 / TMEM16A (Marker for Gastrointestinal Stromal Tumors); Clone DG1/447 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human DOG-1 protein
 Clone: DG1/447
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Gastrointestinal Stromal Tumor (GIST) or testicular germ cell tumor. Melanocytes in the basal layer of the epidermis and mast cells in the dermis of normal skin.
 Specificity: This monoclonal antibody recognizes Human DOG1.
 Status: RUO

Catalog Number	Volume	Price
RA0362-C.1	0.1 ml	\$75.00
RA0362-C.5	0.5 ml	\$239.00

DOG-1 / TMEM16A (Marker for Gastrointestinal Stromal Tumors); Clone DOG-1.1 (Concentrate)

Species: Mouse
 Immunogen: A synthetic peptide from human DOG-1 protein (MSDFVDWVVIDPKDISQIHKKEKVLVVELFMREEQDKQQ LLETCEMEKERQKDEPPCNHHNTKACPDLSLGPAPSHAYHG GVL), conjugated to a carrier protein.
 Clone: DOG-1.1
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Gastrointestinal Stromal Tumor (GIST) or testicular germ cell tumor. Melanocytes in the basal layer of the epidermis and mast cells in the dermis of normal skin.
 Specificity: DOG1.1 is a sensitive and specific immunohistochemical marker for GIST, comparable with c-Kit, with the additional benefit of detecting c-Kit-negative GISTs. DOG1.1 is also a sensitive marker for unusual GIST subgroups lacking c-Kit or PDGFRA mutations.
 Status: RUO

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
RA0363-C.1	0.1 ml	\$75.00
RA0363-C.5	0.5 ml	\$239.00

Double Stranded DNA (dsDNA) (Nuclear Marker); Clone 121-3 (Concentrate)

Species: Mouse
 Immunogen: Nuclei of Raji Burkitt's cells
 Clone: 121-3
 Isotype: IgG3, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Tonsil
 Specificity: This antibody recognizes the double stranded DNA in human cells. It can be used to stain the nuclei in cell or tissue preparations and can be used as a nuclear marker in human cells.
 Status: RUO

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
RA0417-C.1	0.1 ml	\$75.00
RA0417-C.5	0.5 ml	\$239.00

Double Stranded DNA (dsDNA) (Nuclear Marker); Clone AE-2 (Concentrate)

Species: Mouse
 Immunogen: Nuclei of Raji Burkitt's cells
 Clone: AE-2
 Isotype: IgG3, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Tonsil
 Specificity: This antibody recognizes the double stranded DNA in human cells. It can be used to stain the nuclei in cell or tissue preparations and can be used as a nuclear marker in human cells.
 Status: RUO

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
RA0418-C.1	0.1 ml	\$75.00
RA0418-C.5	0.5 ml	\$239.00

EGFR (Epidermal Growth Factor Receptor); Clone GFR450 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human EGFR protein
 Clone: GFR450
 Isotype: IgG2a, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: A431 cells. Breast or bladder cancer.
 Specificity: This antibody recognizes a protein of 170kDa, identified as EGFR.
 Status: RUO

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
RA0107-C.1	0.1 ml	\$75.00
RA0107-C.5	0.5 ml	\$239.00

Ep-CAM / CD326 (Epithelial Marker); Clone Ber-EP4 (Concentrate)

Species: Mouse
 Immunogen: Human breast cancer MCF-7 cells
 Clone: Ber-EP4
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: HT29 cells or breast tumor.
 Specificity: Recognizes a 40-43kDa transmembrane epithelial glycoprotein, identified as epithelial specific antigen (ESA), or epithelial cellular adhesion molecule (Ep-CAM). In immunoprecipitation experiments, the Ber-EP4 antibody blocks the reaction of the HEA125 antibody with MCF-7 cell lysate and vice versa, showing that the two antibodies react with the same antigen. The two antibodies also produce identical staining results in cells and tissues. Of the 37 cell lines tested, the antibody homogeneously labels all (10/10) carcinoma cell lines, whereas all non-epithelial cell lines (26/27) are negative except for the erythromyeloid cell line K562.
 Status: RUO

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
RA0197-C.1	0.1 ml	\$75.00
RA0197-C.5	0.5 ml	\$189.00

Ep-CAM / CD326 (Epithelial Marker); Clone EGP40/826 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human TACSTD1 protein
 Clone: EGP40/826
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: HT29 cells or breast tumor.
 Specificity: Recognizes a 40-43kDa transmembrane epithelial glycoprotein, identified as epithelial specific antigen (ESA), or epithelial cellular adhesion molecule (Ep-CAM).
 Status: RUO

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
RA0199-C.1	0.1 ml	\$75.00
RA0199-C.5	0.5 ml	\$239.00

Ep-CAM / CD326 (Epithelial Marker); Clone EGP40/837 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human TACSTD1 protein
 Clone: EGP40/837
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: HT29 cells or breast tumor.
 Specificity: This antibody has been used to distinguish adenocarcinoma from pleural mesothelioma and hepatocellular carcinoma. This antibody is also useful in distinguishing serous carcinomas of the ovary from mesothelioma.
 Status: RUO

Catalog Number	Volume	Price
RA0200-C.1	0.1 ml	\$75.00
RA0200-C.5	0.5 ml	\$239.00

Ep-CAM / CD326 (Epithelial Marker); Clone HEA125 (Concentrate)

Species: Mouse
 Immunogen: Human colon cancer HT29 cells
 Clone: HEA125
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: HT29 cells or breast tumor.
 Specificity: Recognizes a 40-43kDa transmembrane epithelial glycoprotein, identified as epithelial specific antigen (ESA), or epithelial cellular adhesion molecule (Ep-CAM). In immunoprecipitation experiments, the Ber-EP4 antibody blocks the reaction of the HEA125 antibody with MCF-7 cell lysate and vice versa, showing that the two antibodies react with the same antigen. The two antibodies also produce identical staining results in cells and tissues. Of the 37 cell lines tested, the antibody homogeneously labels all (10/10) carcinoma cell lines, whereas all non-epithelial cell lines (26/27) are negative except for the erythromyeloid cell line K562.
 Status: RUO

Catalog Number	Volume	Price
RA0198-C.1	0.1 ml	\$75.00
RA0198-C.5	0.5 ml	\$239.00

Ep-CAM / CD326 (Epithelial Marker); Clone MOC-31 (Concentrate)

Species: Mouse
 Immunogen: Neuraminidase treated GLS-1 human small cell lung carcinoma cells
 Clone: MOC-31
 Isotype: IgG1, kappa
 Species Reactivity: Human. Does not react with Rat. Others not known.
 Positive Control: HT29 cells or breast tumor.
 Specificity: The epitope of this antibody is located in the first EGF-like repeat domain (EGF1) between amino acids 27-59 of Ep-CAM. This antibody has been used to distinguish adenocarcinoma from pleural mesothelioma and hepatocellular carcinoma. This antibody is also useful in distinguishing serous carcinomas of the ovary from mesothelioma.
 Status: RUO

Catalog Number	Volume	Price
RA0196-C.1	0.1 ml	\$75.00
RA0196-C.5	0.5 ml	\$189.00

Ep-CAM / CD326 (Epithelial Marker); Clone VU-1D9 (Concentrate)

Species: Mouse
 Immunogen: Small cell lung carcinoma cells
 Clone: VU-1D9
 Isotype: IgG1, kappa
 Species Reactivity: Human. Does not react with Rat. Others not known.
 Positive Control: HT29 cells or breast tumor.
 Specificity: This antibody has been used to distinguish adenocarcinoma from pleural mesothelioma and hepatocellular carcinoma. This antibody is also useful in distinguishing serous carcinomas of the ovary from mesothelioma.
 Status: RUO

Catalog Number	Volume	Price
RA0195-C.1	0.1 ml	\$75.00
RA0195-C.5	0.5 ml	\$239.00

ER beta-1 (Estrogen Receptor beta-1); Clone ERb455 (Concentrate)

Species: Mouse
 Immunogen: C-terminus fragment of recombinant human estrogen receptor beta protein
 Clone: ERb455
 Isotype: IgG2a
 Species Reactivity: Human, Monkey, Mouse, Rat, Pig, Horse and Sheep. Others not known.
 Positive Control: Ovarian, breast or prostate carcinoma.
 Specificity: Nuclear positivity in estrogen receptor beta positive tumors.
 Status: RUO

Catalog Number	Volume	Price
RA0111-C.1	0.1 ml	\$75.00
RA0111-C.5	0.5 ml	\$239.00

Estrogen Receptor (Marker of Estrogen Dependence); Clone ER505 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human Estrogen Receptor alpha protein (aa 2-185)
 Clone: ER505
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: MCF-7 cells or breast cancers.
 Specificity: This antibody is specific to ER alpha and shows minimal cross-reaction with other members of the family.
 Status: RUO

Catalog Number	Volume	Price
RA0110-C.1	0.1 ml	\$75.00
RA0110-C.5	0.5 ml	\$239.00

Fascin-1; Clone FSCN1/417 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human fascin protein
 Clone: FSCN1/417
 Isotype: IgG2a, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: HeLa cells. Thymus, spleen or Hodgkin's lymphoma.
 Specificity: Recognizes a protein of 55kDa, which is identified as fascin-1. This antibody to fascin-1 is a very sensitive marker for Reed-Sternberg cells and variants in nodular sclerosis, mixed cellularity, and lymphocyte depletion Hodgkin disease. It is uniformly negative in lymphoid cells, plasma cells, and myeloid cells.

Status: RUO

Catalog Number	Volume	Price
RA0296-C.1	0.1 ml	\$75.00
RA0296-C.5	0.5 ml	\$239.00

GFAP (Astrocyte & Neural Stem Cell Marker); Clone ASTRO/789 (Concentrate)

Species: Mouse
 Immunogen: Recombinant GFAP protein
 Clone: ASTRO/789
 Isotype: IgG1
 Species Reactivity: Human, Mouse, Rat, Cow, Pig, Rabbit, and Chicken. Others not known.
 Positive Control: Brain or Astrocytoma.
 Specificity: This antibody recognizes a protein of ~50kDa which is identified as Glial Fibrillary Acidic Protein (GFAP). It shows no cross-reaction with other intermediate filament proteins.

Status: RUO

Catalog Number	Volume	Price
RA0122-C.1	0.1 ml	\$75.00
RA0122-C.5	0.5 ml	\$239.00

GFAP (Astrocyte & Neural Stem Cell Marker); Clone GA-5 & ASTRO/789 (Concentrate)

Species: Mouse
 Immunogen: GFAP isolated from pig spinal cord (GA-5); Recombinant GFAP protein (ASTRO/789)
 Clone: GA-5 & ASTRO/789
 Isotype: IgG1 (GA-5); IgG1 (ASTRO/789)
 Species Reactivity: Human, Mouse, Rat, Cow, Pig, Rabbit, Chicken. Others not known.
 Positive Control: Brain or Astrocytoma.
 Specificity: This antibody recognizes a protein of ~50kDa which is identified as Glial Fibrillary Acidic Protein (GFAP). It shows no cross-reaction with other intermediate filament proteins.

Status: RUO

Catalog Number	Volume	Price
RA0123-C.1	0.1 ml	\$75.00
RA0123-C.5	0.5 ml	\$239.00

GFAP (Astrocyte & Neural Stem Cell Marker); Clone GA-5 (Concentrate)

Species: Mouse
 Immunogen: GFAP isolated from pig spinal cord
 Clone: GA-5
 Isotype: IgG1
 Species Reactivity: Human, Mouse, Rat, Cow, Pig, Rabbit, Chicken. Others not known.
 Positive Control: Brain or Astrocytoma.
 Specificity: This antibody recognizes a protein of ~50kDa which is identified as Glial Fibrillary Acidic Protein (GFAP). It shows no cross-reaction with other intermediate filament proteins.

Status: RUO

Catalog Number	Volume	Price
RA0121-C.1	0.1 ml	\$75.00
RA0121-C.5	0.5 ml	\$239.00

Glycophorin A / CD235 (Erythrocyte Marker); Clone A63-B/C2 (Concentrate)

Species: Mouse
 Immunogen: Human erythrocytes treated with neuraminidase.
 Clone: A63-B/C2
 Isotype: IgM, kappa
 Species Reactivity: Human and Cow. Others not tested.
 Positive Control: Erythrocytes
 Specificity: Recognizes a sialoglycoprotein of 39kDa, identified as glycophorin A. It reacts with a peptide epitope on the extracellular domain of human glycophorin.

Status: RUO

Catalog Number	Volume	Price
RA0130-C.1	0.1 ml	\$75.00
RA0130-C.5	0.5 ml	\$189.00

Glycophorin A / CD235 (Erythrocyte Marker); Clone GPHN02 (Concentrate)

Species: Mouse
 Immunogen: Human erythrocytes treated with neuraminidase.
 Clone: GPHN02
 Isotype: IgM, kappa
 Species Reactivity: Human and Cow. Others not tested.
 Positive Control: Erythrocytes
 Specificity: Recognizes a sialoglycoprotein of 39kDa, identified as glycophorin A. It reacts with a peptide epitope on the extracellular domain of human glycophorin.

Status: RUO

Catalog Number	Volume	Price
RA0129-C.1	0.1 ml	\$75.00
RA0129-C.5	0.5 ml	\$189.00

Glypican-3 (GPC3) (Marker of Hepatocellular Carcinoma); Clone 1G12 & GPC3/863 (Concentrate)

Species: Mouse
 Immunogen: Recombinant fragment containing amino acids 511-580 of human glypican-3 (1G12); Recombinant human GPC3 protein (GPC3/863).
 Clone: 1G12 & GPC3/863
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: 293T cells or Hepatocellular carcinoma.
 Specificity: Anti-GPC3 has been identified as a useful tumor marker for the diagnosis of hepatocellular carcinoma (HCC), hepatoblastoma, melanoma, testicular germ cell tumors, and Wilm's tumor.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
RA0126-C.1	0.1 ml	\$75.00
RA0126-C.5	0.5 ml	\$239.00

Glypican-3 (GPC3) (Marker of Hepatocellular Carcinoma); Clone 1G12 (Concentrate)

Species: Mouse
 Immunogen: A recombinant fragment containing amino acids 511-580 of human glypican-3
 Clone: 1G12
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: 293T cells or Hepatocellular carcinoma.
 Specificity: Anti-GPC3 has been identified as a useful tumor marker for the diagnosis of hepatocellular carcinoma (HCC), hepatoblastoma, melanoma, testicular germ cell tumors, and Wilm's tumor.
 Status: RUO

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
RA0124-C.1	0.1 ml	\$75.00
RA0124-C.5	0.5 ml	\$239.00

Glypican-3 (GPC3) (Marker of Hepatocellular Carcinoma); Clone GPC3/863 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human GPC3 protein
 Clone: GPC3/863
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: 293T cells or Hepatocellular carcinoma.
 Specificity: Anti-GPC3 has been identified as a useful tumor marker for the diagnosis of hepatocellular carcinoma (HCC), hepatoblastoma, melanoma, testicular germ cell tumors, and Wilm's tumor.
 Status: RUO

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
RA0125-C.1	0.1 ml	\$75.00
RA0125-C.5	0.5 ml	\$239.00

GnRH-Receptor / LH-RH Receptor; Clone A9E4 (Concentrate)

Species: Mouse
 Immunogen: A synthetic peptide of aa 1-29 (MANSASPEQNQHCSAINNSIPLMQGNLPY) from the N-terminus of human GnRH receptor.
 Clone: A9E4
 Isotype: IgG1, kappa
 Species Reactivity: Human. Predicted to react with Pig and Rabbit. Others not known.
 Positive Control: T47D cells. Pituitary gland, ovarian or breast cancers.
 Specificity: Recognizes an epitope on the extracellular domain of gonadotropin releasing hormone (GnRH) receptor or luteinizing hormone receptor (LHCGR).
 Status: RUO

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
RA0127-C.1	0.1 ml	\$75.00
RA0127-C.5	0.5 ml	\$189.00

GnRH-Receptor / LH-RH Receptor; Clone HH7/768 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human GNRHR protein
 Clone: HH7/768
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: T47D cells. Pituitary gland, ovarian or breast cancers.
 Specificity: Recognizes an epitope on the extracellular domain of gonadotropin releasing hormone (GnRH) receptor or luteinizing hormone receptor (LHCGR).
 Status: RUO

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
RA0128-C.1	0.1 ml	\$75.00
RA0128-C.5	0.5 ml	\$189.00

gp100 / Melanosome / PMEL17 / SILV (Melanoma Marker); Clone HMB45 & PMEL/783 (Concentrate)

Species: Mouse
 Immunogen: Extract of pigmented melanoma metastases from lymph nodes (HMB45); Recombinant human SILV protein (PMEL/783)
 Clone: HMB45 & PMEL/783
 Isotype: IgG1, kappa (HMB45); IgG1, kappa (PMEL/783)
 Species Reactivity: Human. Others not tested.
 Positive Control: SK-MEL-28 cells or Melanoma.
 Specificity: By immunohistochemistry, this antibody specifically recognizes a protein in melanocytes and melanomas. This antibody reacts with junctional and blue nevus cells and variably with fetal and neonatal melanocytes. Intradermal nevi, normal adult melanocytes, and non-melanocytic cells are negative. It does not stain tumor cells of epithelial, lymphoid, glial, or mesenchymal origin. This antibody also stains Angiomyolipoma (PEComa).
 Status: RUO

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
RA0294-C.1	0.1 ml	\$75.00
RA0294-C.5	0.5 ml	\$239.00

**gp100 / Melanosome / PMEL17 / SILV
(Melanoma Marker); Clone HMB45
(Concentrate)**

Species: Mouse
 Immunogen: Extract of pigmented melanoma metastases from lymph nodes
 Clone: HMB45
 Isotype: IgG1, kappa
 Species Reactivity: Human. Does not react with Dog and Rat. Others not tested.
 Positive Control: SK-MEL-28 cells or Melanoma.
 Specificity: By immunohistochemistry, this antibody specifically recognizes a protein in melanocytes and melanomas. This antibody reacts with junctional and blue nevus cells and variably with fetal and neonatal melanocytes. Intradermal nevi, normal adult melanocytes, and non-melanocytic cells are negative. It does not stain tumor cells of epithelial, lymphoid, glial, or mesenchymal origin. This antibody also stains Angiomyolipoma (PEComa).
 Status: RUO

Catalog Number	Volume	Price
RA0292-C.1	0.1 ml	\$75.00
RA0292-C.5	0.5 ml	\$239.00

**gp100 / Melanosome / PMEL17 / SILV
(Melanoma Marker); Clone PMEL/783
(Concentrate)**

Species: Mouse
 Immunogen: Recombinant human SILV protein
 Clone: PMEL/783
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not tested.
 Positive Control: SK-MEL-28 cells or Melanoma.
 Specificity: gp100, also designated ME20-M, ME20-S and PMEL 17, is classified as a melanocyte differentiation antigen and is expressed at low levels in normal cell lines and tissues, but is upregulated in melanocytes.
 Status: RUO

Catalog Number	Volume	Price
RA0293-C.1	0.1 ml	\$75.00
RA0293-C.5	0.5 ml	\$239.00

**hCG Holo (Pregnancy & Choriocarcinoma
Marker); Clone HCGab/52 (Concentrate)**

Species: Mouse
 Immunogen: Purified hCG protein
 Clone: HCGab/52
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: JAR or TT Cells. Placenta.
 Specificity: This antibody is very specific because it reacts ONLY with intact hCG and not with either the free alpha- or free beta-chain of hCG.
 Status: RUO

Catalog Number	Volume	Price
RA0399-C.1	0.1 ml	\$75.00
RA0399-C.5	0.5 ml	\$239.00

hCG-alpha; Clone HCGa/53 (Concentrate)

Species: Mouse
 Immunogen: Recombinant hCG alpha protein
 Clone: HCGa/53
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: JAR or TT Cells. Placenta.
 Specificity: This monoclonal antibody reacts with a protein of ~13kDa, identified as the alpha subunit of hCG.
 Status: RUO

Catalog Number	Volume	Price
RA0086-C.1	0.1 ml	\$75.00
RA0086-C.5	0.5 ml	\$239.00

**hCG-beta (Pregnancy & Choriocarcinoma
Marker); Clone HCGb/459 (Concentrate)**

Species: Mouse
 Immunogen: Recombinant hCG beta protein
 Clone: HCGb/459
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: JAR or TT Cells. Placenta.
 Specificity: This monoclonal antibody reacts with a protein of 22kDa, identified as the beta subunit of hCG. It does not cross react with the alpha subunit. This hCG detects cells and tumors of trophoblastic origin such as choriocarcinoma. Large cell carcinoma and adenocarcinoma of the lung demonstrate anti-hCG positivity in 90% and 60% of cases, respectively. 20% of lung squamous cell carcinomas are positive. hCG expression by non-trophoblastic tumors may indicate aggressive behavior.
 Status: RUO

Catalog Number	Volume	Price
RA0088-C.1	0.1 ml	\$75.00
RA0088-C.5	0.5 ml	\$239.00

**hCG-beta (Pregnancy & Choriocarcinoma
Marker); Clone HCGb/54 & HCGb/459
(Concentrate)**

Species: Mouse
 Immunogen: Recombinant hCG beta protein (HCGb/54 and HCGb/459)
 Clone: HCGb/54 & HCGb/459
 Isotype: IgG1, kappa (HCGb/54 and HCGb/459)
 Species Reactivity: Human. Others not known.
 Positive Control: JAR or TT Cells. Placenta.
 Specificity: This monoclonal antibody reacts with a protein of 22kDa, identified as the beta subunit of hCG. It does not cross react with the alpha subunit. hCG antibody detects cells and tumors of trophoblastic origin such as choriocarcinoma. Large cell carcinoma and adenocarcinoma of the lung demonstrate anti-hCG positivity in 90% and 60% of cases, respectively. 20% of lung squamous cell carcinomas are positive. hCG expression by non-trophoblastic tumors may indicate aggressive behavior.
 Status: RUO

Catalog Number	Volume	Price
RA0089-C.1	0.1 ml	\$75.00
RA0089-C.5	0.5 ml	\$239.00

hCG-beta (Pregnancy & Choriocarcinoma Marker); Clone HCGb/54 (Concentrate)

Species: Mouse
 Immunogen: Recombinant hCG beta protein
 Clone: HCGb/54
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: JAR or TT Cells. Placenta.
 Specificity: This monoclonal antibody reacts with a protein of 22kDa, identified as the beta subunit of hCG. It does not cross react with the alpha subunit. This hCG antibody detects cells and tumors of trophoblastic origin such as choriocarcinoma. Large cell carcinoma and adenocarcinoma of the lung demonstrate anti-hCG positivity in 90% and 60% of cases, respectively. 20% of lung squamous cell carcinomas are positive. hCG expression by non-trophoblastic tumors may indicate aggressive behavior.
 Status: RUO

Catalog Number	Volume	Price
RA0087-C.1	0.1 ml	\$75.00
RA0087-C.5	0.5 ml	\$239.00

Hepatocyte Specific Antigen (Hep Par 1) (Hepatocellular Marker); Clone OCH1E5 (Hep Par 1) (Concentrate)

Species: Mouse
 Immunogen: Extract of a formalin-fixed, rejected allograft of a human liver
 Clone: OCH1E5; same as Hep Par 1
 Isotype: IgG1
 Species Reactivity: Human and Dog. Others not known.
 Positive Control: Liver or Hepatocellular Carcinoma (HCC).
 Specificity: Hepatocyte Specific Antigen, also called Hepatocyte Paraffin 1 or Hep Par 1, localizes to the mitochondria of hepatocytes. It is a sensitive marker for distinguishing hepatocellular carcinomas (HCC) from other metastatic carcinomas as well as cholangio-carcinomas.
 Status: RUO

Catalog Number	Volume	Price
RA0409-C.1	0.1 ml	\$75.00
RA0409-C.5	0.5 ml	\$239.00

Hepatocyte Specific Antigen (Hepatocellular Marker); Clone HSA98 (Concentrate)

Species: Mouse
 Immunogen: HEP-3B human hepatocellular carcinoma cells
 Clone: HSA98
 Isotype: IgG2b, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Liver or Hepatocellular Carcinoma (HCC).
 Specificity: Clone HSA98 binds to human hepatocytes and the majority of human hepatocellular carcinomas (HCC's). In frozen sections, it stains hepatic cells and may be used as a marker of the liver. Cell preparations of hepatocellular carcinoma biopsies or cell lines are found to bind HSA98 on the cell surface. This antibody stains liver hepatocytes in frozen human liver sections and is positive on the cell surface of human liver carcinomas.
 Status: RUO

Catalog Number	Volume	Price
RA0410-C.1	0.1 ml	\$75.00
RA0410-C.5	0.5 ml	\$239.00

HER-2 / c-erbB-2 / neu / CD340; Clone ERB2/776 (Concentrate)

Species: Mouse
 Immunogen: Recombinant intracellular domain of human HER-2 protein
 Clone: ERB2/776
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: SKBR-3 cells or breast cancers.
 Specificity: This antibody is specific to HER-2/c-erbB-2 and shows minimal cross-reaction with other members of the family.
 Status: RUO

Catalog Number	Volume	Price
RA0109-C.1	0.1 ml	\$75.00
RA0109-C.5	0.5 ml	\$239.00

HER-2 / c-erbB-2 / neu / CD340; Clone HRB2/451 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human HER-2 protein
 Clone: HRB2/451
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: SKBR-3 cells or breast cancers.
 Specificity: This antibody is specific to HER-2/c-erbB-2 and shows minimal cross-reaction with other members of the family.
 Status: RUO

Catalog Number	Volume	Price
RA0108-C.1	0.1 ml	\$75.00
RA0108-C.5	0.5 ml	\$239.00

HPV-16 (Human Papilloma Virus 16); Clone CAMVIR-1 (Concentrate)

Species: Mouse
 Immunogen: Human papilloma virus type 16, major capsid protein L1
 Clone: CAMVIR-1
 Isotype: IgG2a, kappa
 Species Reactivity: Type 16 of human Papilloma Virus (HPV-16).
 Positive Control: HPV-16 infected cells or cervical tissue.
 Specificity: Reacts with a protein of 57kDa, identified as the L1 protein of human papilloma virus type 16 (HPV-16). The antibody reacts very strongly with formalin-fixed, paraffin-embedded tissues containing HPV-16 or -33; very weak reactions were occasionally observed with biopsy specimens or smears containing HPV-6 or HPV-11. It cross-reacts with HPV37.
 Status: RUO

Catalog Number	Volume	Price
RA0380-C.1	0.1 ml	\$75.00
RA0380-C.5	0.5 ml	\$239.00

HSP27 (Heat Shock Protein 27); Clone 24K/774 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human HSPB1 protein.
 Clone: 24K/774
 Isotype: IgG1, kappa
 Species Reactivity: Human, Chimpanzee, Monkey, Sheep, Rat, Mouse, and Chicken. Others not known.
 Positive Control: ~50% of breast carcinomas are positive for HSP27, especially those that are also positive for estrogen and/or progesterone receptor.
 Specificity: This antibody recognizes a 24-27kDa estrogen-regulated protein, identified as heat shock protein 27 (HSP27).
 Status: RUO

Catalog Number	Volume	Price
RA0132-C.1	0.1 ml	\$75.00
RA0132-C.5	0.5 ml	\$239.00

HSP27 (Heat Shock Protein 27); Clone G3.1 (Concentrate)

Species: Mouse
 Immunogen: Partially purified HSP27 (earlier called 24K) protein from breast cancer MCF-7 cells.
 Clone: G3.1
 Isotype: IgG1, kappa
 Species Reactivity: Human, Chimpanzee, Monkey, Sheep, Rat, Mouse, and Chicken. Others not known.
 Positive Control: ~50% of Breast Carcinomas are positive for HSP27, especially those that are also positive for estrogen and/or progesterone receptor.
 Specificity: This antibody recognizes a 24-27kDa estrogen-regulated protein, identified as heat shock protein 27 (HSP27).
 Status: RUO

Catalog Number	Volume	Price
RA0131-C.1	0.1 ml	\$75.00
RA0131-C.5	0.5 ml	\$239.00

HSP60 (Heat Shock Protein 60); Clone HLD4/780 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human HSPD1 protein
 Clone: HLD4/780
 Isotype: IgG1, kappa
 Species Reactivity: Human, Mouse, Rat, Hamster, Sheep, Rabbit, Cow, Dog, Pig, Monkey, Chicken, Xenopus laevis, and Drosophila. Does not react with Bacteria, Helminths, and Spinach. Others not known.
 Positive Control: HeLa or HepG2 cells. Breast carcinoma. Synovial biopsies from patients with juvenile chronic arthritis. Synovial lining layer is strongly positive for HSP60.
 Specificity: Recognizes a 60kDa protein, identified as the heat shock protein 60 (HSP60).
 Status: RUO

Catalog Number	Volume	Price
RA0134-C.1	0.1 ml	\$75.00
RA0134-C.5	0.5 ml	\$239.00

HSP60 (Heat Shock Protein 60); Clone LK1 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human HSP60 protein
 Clone: LK1
 Isotype: IgG1, kappa
 Species Reactivity: Human, Mouse, Rat, Hamster, Sheep, Rabbit, Cow, Dog, Pig, Monkey, Chicken, Xenopus laevis, and Drosophila. Does not react with Bacteria, Helminths, and Spinach. Others not known.
 Positive Control: HeLa or HepG2 cells. Breast carcinoma. Synovial biopsies from patients with juvenile chronic arthritis. Synovial lining layer is strongly positive for HSP60.
 Specificity: This antibody recognizes a 60kDa protein, identified as the heat shock protein 60 (HSP60). Its epitope is localized between aa 383-447 of human HSP60. Clone LK1, unlike LK2, recognizes only the mammalian (not bacterial) HSP60 and is useful in distinguishing HSP60 from mammals and bacteria.
 Status: RUO

Catalog Number	Volume	Price
RA0133-C.1	0.1 ml	\$75.00
RA0133-C.5	0.5 ml	\$239.00

IgA (Immunoglobulin Alpha Heavy Chain) (B-Cell Marker); Clone GA01 (Concentrate)

Species: Mouse
 Immunogen: Purified human alpha heavy chain
 Clone: GA01
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Daudi, 293T, Raji or hPBL cells. Tonsil or spleen.
 Specificity: This monoclonal antibody is specific to the heavy chain of IgA and shows minimal cross-reaction with heavy chains of other immunoglobulins. It is reactive with all subclasses of Alpha heavy chain.
 Status: RUO

Catalog Number	Volume	Price
RA0137-C.1	0.1 ml	\$75.00
RA0137-C.5	0.5 ml	\$239.00

IgA (Immunoglobulin Alpha Heavy Chain) (B-Cell Marker); Clone HISA3 & GA01 (Concentrate)

Species: Mouse
 Immunogen: Purified human IgA
 Clone: HISA3 & GA01
 Isotype: IgG1, kappa (HISA3 & GA01)
 Species Reactivity: Human. Others not known.
 Positive Control: Daudi, 293T, Raji or hPBL cells. Tonsil or spleen.
 Specificity: This monoclonal antibody is specific to the heavy chain of IgA and shows minimal cross-reaction with heavy chains of other immunoglobulins. It is reactive with all subclasses of Alpha heavy chain.
 Status: RUO

Catalog Number	Volume	Price
RA0138-C.1	0.1 ml	\$75.00
RA0138-C.5	0.5 ml	\$239.00

IgA (Immunoglobulin Alpha Heavy Chain) (B-Cell Marker); Clone HISA3 (Concentrate)

Species: Mouse
 Immunogen: Purified human IgA
 Clone: HISA3
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Daudi, 293T, Raji or hPBL cells. Tonsil or spleen.
 Specificity: This monoclonal antibody is specific to the heavy chain of IgA and shows minimal cross-reaction with heavy chains of other immunoglobulins. It is reactive with all subclasses of Alpha heavy chain.
 Status: RUO

Catalog Number	Volume	Price
RA0136-C.1	0.1 ml	\$75.00
RA0136-C.5	0.5 ml	\$239.00

IgG (Immunoglobulin Gamma Heavy Chain) (B-Cell Marker); Clone B33/20 (Concentrate)

Species: Mouse
 Immunogen: Purified human Ig Gamma Chain
 Clone: B33/20
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: 293T, Raji or hPBL cells. Tonsil or Spleen.
 Specificity: Recognizes a protein of 75kDa, identified as gamma heavy chain of human immunoglobulins. Its epitope maps in the CH2 domain of the Fc region of IgG. It reacts with all sub-classes of gamma chain of human immunoglobulins. It does not cross-react with alpha (IgA), mu (IgM), epsilon (IgE), or delta (IgD), heavy chains, T-cells, monocytes, granulocytes, or erythrocytes.
 Status: RUO

Catalog Number	Volume	Price
RA0142-C.1	0.1 ml	\$75.00
RA0142-C.5	0.5 ml	\$239.00

IgG (Immunoglobulin Gamma Heavy Chain) (B-Cell Marker); Clone IG217 & IG266 (Concentrate)

Species: Mouse
 Immunogen: Purified human Ig Gamma Chain
 Clone: IG217 & IG266
 Isotype: IgG1, kappa (IG217); IgG2a, kappa (IG266)
 Species Reactivity: Human. Others not known.
 Positive Control: 293T, Raji or hPBL cells. Tonsil or spleen.
 Specificity: This antibody is specific to heavy chain of IgG and shows minimal cross-reaction with heavy chains of other immunoglobulins. It is reactive with all subclasses of Gamma heavy chain (IgG1, IgG2a, IgG2b, IgG3).
 Status: RUO

Catalog Number	Volume	Price
RA0141-C.1	0.1 ml	\$75.00
RA0141-C.5	0.5 ml	\$239.00

IgG (Immunoglobulin Gamma Heavy Chain) (B-Cell Marker); Clone IG217 (Concentrate)

Species: Mouse
 Immunogen: Purified human Ig Gamma Chain
 Clone: IG217
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: 293T, Raji or hPBL cells. Tonsil or spleen.
 Specificity: Recognizes a protein of 75kDa, identified as the gamma heavy chain of human immunoglobulins. It reacts with all sub-classes of gamma chains of human immunoglobulins. It does not cross-react with alpha (IgA), mu (IgM), epsilon (IgE), or delta (IgD), heavy chains, T-cells, monocytes, granulocytes, or erythrocytes.
 Status: RUO

Catalog Number	Volume	Price
RA0139-C.1	0.1 ml	\$75.00
RA0139-C.5	0.5 ml	\$239.00

IgG (Immunoglobulin Gamma Heavy Chain) (B-Cell Marker); Clone IG266 (Concentrate)

Species: Mouse
 Immunogen: Purified human Ig Gamma Chain
 Clone: IG266
 Isotype: IgG2a, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: 293T, Raji or hPBL cells. Tonsil or spleen.
 Specificity: Recognizes a protein of 75kDa, identified as the gamma heavy chain of human immunoglobulins. It reacts with all sub-classes of gamma chains of human immunoglobulins. It does not cross-react with alpha (IgA), mu (IgM), epsilon (IgE), or delta (IgD), heavy chains, T-cells, monocytes, granulocytes, or erythrocytes.
 Status: RUO

Catalog Number	Volume	Price
RA0140-C.1	0.1 ml	\$75.00
RA0140-C.5	0.5 ml	\$239.00

IgM (Immunoglobulin Mu Heavy Chain) (B-Cell Marker); Clone DA4-4 (SA-DA4 or HB57) (Concentrate)

Species: Mouse
 Immunogen: Heavy chain of human IgM
 Clone: DA4-4 (SA-DA4 or HB57)
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: 293T, Raji or hPBL cells. Tonsil or spleen.
 Specificity: Recognizes a protein of 75kDa, identified as mu heavy chain of human immunoglobulins. It does not cross-react with alpha (IgA), gamma (IgG), epsilon (IgE), or delta (IgD), heavy chains, T-cells, monocytes, granulocytes, or erythrocytes.
 Status: RUO

Catalog Number	Volume	Price
RA0144-C.1	0.1 ml	\$75.00
RA0144-C.5	0.5 ml	\$239.00

IgM (Immunoglobulin Mu Heavy Chain) (B-Cell Marker); Clone ICO-30 (Concentrate)

Species: Mouse
 Immunogen: Heavy chain of human IgM
 Clone: ICO-30
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: 293T, Raji or hPBL cells. Tonsil or Spleen.
 Specificity: Recognizes a protein of 75kDa, identified as mu heavy chain of human immunoglobulins. It does not cross-react with alpha (IgA), gamma (IgG), epsilon (IgE), or delta (IgD), heavy chains, T-cells, monocytes, granulocytes, or erythrocytes.
 Status: RUO

Catalog Number	Volume	Price
RA0143-C.1	0.1 ml	\$75.00
RA0143-C.5	0.5 ml	\$239.00

IgM (Immunoglobulin Mu Heavy Chain) (B-Cell Marker); Clone IM260 & ICO-30 (Concentrate)

Species: Mouse
 Immunogen: Recombinant heavy chain of human IgM (IM260); Heavy chain of human IgM (ICO-30)
 Clone: IM260 & ICO-30
 Isotype: IgG1, kappa (IM260 & ICO-30)
 Species Reactivity: Human. Others not known.
 Positive Control: 293T, Raji or hPBL cells. Tonsil or spleen.
 Specificity: Recognizes a protein of 75kDa, identified as the mu heavy chain of human immunoglobulins. It does not cross-react with alpha (IgA), gamma (IgG), epsilon (IgE), or delta (IgD) heavy chains, T-cells, monocytes, granulocytes, or erythrocytes.
 Status: RUO

Catalog Number	Volume	Price
RA0147-C.1	0.1 ml	\$75.00
RA0147-C.5	0.5 ml	\$239.00

IgM (Immunoglobulin Mu Heavy Chain) (B-Cell Marker); Clone IM260 (Concentrate)

Species: Mouse
 Immunogen: Recombinant heavy chain of human IgM
 Clone: IM260
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: 293T, Raji or hPBL cells. Tonsil or spleen.
 Specificity: Recognizes a protein of 75kDa, identified as mu heavy chain of human immunoglobulins. It does not cross-react with alpha (IgA), gamma (IgG), epsilon (IgE), or delta (IgD), heavy chains, T-cells, monocytes, granulocytes, or erythrocytes.
 Status: RUO

Catalog Number	Volume	Price
RA0145-C.1	0.1 ml	\$75.00
RA0145-C.5	0.5 ml	\$239.00

IgM (Immunoglobulin Mu Heavy Chain) (B-Cell Marker); Clone IM373 (Concentrate)

Species: Mouse
 Immunogen: Recombinant heavy chain of human IgM
 Clone: IM373
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: 293T, Raji or hPBL cells. Tonsil or spleen.
 Specificity: Recognizes a protein of 75kDa, identified as mu heavy chain of human immunoglobulins. It does not cross-react with alpha (IgA), gamma (IgG), epsilon (IgE), or delta (IgD), heavy chains, T-cells, monocytes, granulocytes, or erythrocytes.
 Status: RUO

Catalog Number	Volume	Price
RA0146-C.1	0.1 ml	\$75.00
RA0146-C.5	0.5 ml	\$239.00

Insulin / IRDN (Beta Cell & Insulinoma Marker); Clone 2D11-H5 (INS05) (Concentrate)

Species: Mouse
 Immunogen: Purified pig insulin, conjugated to KLH
 Clone: 2D11-H5 (INS05)
 Isotype: IgG1, kappa
 Species Reactivity: Human, Cow and Pig. Does not react with Mouse and Rat. Others not known.
 Positive Control: MIA PaCa-2 cells or Pancreas.
 Specificity: Recognizes a polypeptide which is identified as insulin, a 51-amino acid polypeptide composed of A and B chains connected through disulfide bonds.
 Status: RUO

Catalog Number	Volume	Price
RA0161-C.1	0.1 ml	\$75.00
RA0161-C.5	0.5 ml	\$239.00

Insulin / IRDN (Beta Cell & Insulinoma Marker); Clone E2-E3 & 2D11-H5 (INS04 & INS05) (Concentrate)

Species: Mouse
 Immunogen: Purified pig insulin, conjugated to KLH
 Clone: E2-E3 & 2D11-H5 (INS04 & INS05)
 Isotype: IgG1, kappa (E2-E3); IgG1, kappa (2D11-H5)
 Species Reactivity: Human, Cow Pig, Rabbit, and Rat. Others not known.
 Positive Control: MIA PaCa-2 cells or Pancreas.
 Specificity: Recognizes a polypeptide which is identified as insulin, a 51-amino acid polypeptide composed of A and B chains connected through disulfide bonds.
 Status: RUO

Catalog Number	Volume	Price
RA0163-C.1	0.1 ml	\$75.00
RA0163-C.5	0.5 ml	\$239.00

Insulin / IRDN (Beta Cell & Insulinoma Marker); Clone E2-E3 (INS04) (Concentrate)

Species: Mouse
 Immunogen: Purified pig insulin, conjugated to KLH
 Clone: E2-E3 (INS04)
 Isotype: IgG1, kappa
 Species Reactivity: Human, Cow Pig, Rabbit, and Rat. Others not known.
 Positive Control: MIA PaCa-2 cells or Pancreas.
 Specificity: Recognizes a polypeptide which is identified as insulin, a 51-amino acid polypeptide composed of A and B chains connected through disulfide bonds.
 Status: RUO

Catalog Number	Volume	Price
RA0162-C.1	0.1 ml	\$75.00
RA0162-C.5	0.5 ml	\$239.00

Insulin / IRDN (Beta Cell & Insulinoma Marker); Clone IRDN/794 (Concentrate)

Species: Mouse
 Immunogen: Recombinant INS protein
 Clone: IRDN/794
 Isotype: IgG1, kappa
 Species Reactivity: Human, Cow and Pig. Does not react with Mouse and Rat. Others not known.
 Positive Control: MIA PaCa-2 cells or Pancreas.
 Specificity: Recognizes a polypeptide which is identified as insulin, a 51-amino acid polypeptide composed of A and B chains connected through disulfide bonds.
 Status: RUO

Catalog Number	Volume	Price
RA0164-C.1	0.1 ml	\$75.00
RA0164-C.5	0.5 ml	\$239.00

Insulin / IRDN (Beta Cell & Insulinoma Marker); Clone IRDN/805 (Concentrate)

Species: Mouse
 Immunogen: Recombinant INS protein
 Clone: IRDN/805
 Isotype: IgG1, kappa
 Species Reactivity: Human, Cow, Pig, Rabbit and Rat. Others not known. Others not known.
 Positive Control: MIA PaCa-2 cells or Pancreas.
 Specificity: Recognizes a polypeptide which is identified as insulin, a 51-amino acid polypeptide composed of A and B chains connected through disulfide bonds.
 Status: RUO

Catalog Number	Volume	Price
RA0165-C.1	0.1 ml	\$75.00
RA0165-C.5	0.5 ml	\$239.00

Involucrin (Squamous Cell Terminal Differentiation Marker); Clone IVRN/827 (Concentrate)

Species: Mouse
 Immunogen: Purified involucrin from human keratinocytes
 Clone: IVRN/827
 Isotype: IgG1, kappa
 dysplasias of the larynx and cervix.
 Species Reactivity: Human. Others not known.
 Positive Control: MCF-7 cells. Localized to upper spinous and granular layers in normal skin.
 Specificity: This antibody recognizes a protein of 66kDa-170kDa, identified as involucrin. In Western blotting of cultured human keratinocytes, this antibody reacts with a 120kDa protein. It stains the involucrin in a variety of sizes: 170kDa in MCF-7 cells, a doublet of ~115kDa and 150kDa in gorilla and owl monkey, 66kDa in dog, and a doublet of 105kDa in pig. Its epitope maps between codon 421-568 of human involucrin.
 Status: RUO

Catalog Number	Volume	Price
RA0167-C.1	0.1 ml	\$75.00
RA0167-C.5	0.5 ml	\$239.00

Involucrin (Squamous Cell Terminal Differentiation Marker); Clone SY5 (Concentrate)

Species: Mouse
 Immunogen: Purified involucrin from human keratinocytes
 Clone: SY5
 Isotype: IgG1, kappa
 Species Reactivity: Human, Gorilla, Owl monkey, Pig, and Dog. Does not react with Mouse. Others not known.
 Positive Control: MCF-7 cells. Localized to upper spinous and granular layers in normal skin.
 Specificity: This antibody recognizes a protein of 66kDa-170kDa, identified as involucrin. In Western blotting of cultured human keratinocytes, this antibody reacts with a 120kDa protein. It stains the involucrin in a variety of sizes: 170kDa in MCF-7 cells, a doublet of ~115kDa and 150kDa in gorilla and owl monkey, 66kDa in dog, and a doublet of 105kDa in pig. Its epitope maps between codon 421-568 of human involucrin.
 Status: RUO

Catalog Number	Volume	Price
RA0166-C.1	0.1 ml	\$75.00
RA0166-C.5	0.5 ml	\$239.00

Kappa Light Chain (B-Cell marker); Clone HP6053 & L1C1 (Concentrate)

Species: Mouse
 Immunogen: Purified human Ig kappa chain (HP6053); Human B-Lymphoma Cells (L1C1)
 Clone: HP6053 & L1C1
 Isotype: IgG1, kappa (HP6053); IgG1, kappa (L1C1)
 Species Reactivity: Human. Others not known.
 Positive Control: 293T, Raji or hPBL cells. Tonsil or spleen.
 Specificity: This monoclonal antibody is specific to the kappa light chain of immunoglobulins and shows no cross-reaction with the lambda light chain or any of the five heavy chains.
 Status: RUO

Catalog Number	Volume	Price
RA0152-C.1	0.1 ml	\$75.00
RA0152-C.5	0.5 ml	\$239.00

Kappa Light Chain (B-Cell marker); Clone HP6053 (Concentrate)

Species: Mouse
 Immunogen: Purified human Ig kappa chain
 Clone: HP6053
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: 293T, Raji or hPBL cells. Tonsil or spleen.
 Specificity: This monoclonal antibody is specific to the kappa light chain of immunoglobulins and shows no cross-reaction with the lambda light chain or any of the five heavy chains.
 Status: RUO

Catalog Number	Volume	Price
RA0151-C.1	0.1 ml	\$75.00
RA0151-C.5	0.5 ml	\$239.00

Kappa Light Chain (B-Cell marker); Clone Kap-56 (Concentrate)

Species: Mouse
 Immunogen: Human lymphocytes stimulated
 Clone: Kap-56
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: 293T, Raji or hPBL cells. Tonsil or spleen.
 Specificity: This monoclonal antibody is specific to the kappa light chain of immunoglobulins and shows no cross-reaction with the lambda light chain or any of the five heavy chains.
 Status: RUO

Catalog Number	Volume	Price
RA0154-C.1	0.1 ml	\$75.00
RA0154-C.5	0.5 ml	\$239.00

Kappa Light Chain (B-Cell marker); Clone KLC264 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human Ig kappa chain
 Clone: KLC264
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: 293T, Raji or hPBL cells. Tonsil or Spleen.
 Specificity: This monoclonal antibody is specific to the kappa light chain of immunoglobulins and shows no cross-reaction with the lambda light chain or any of the five heavy chains.
 Status: RUO

Catalog Number	Volume	Price
RA0149-C.1	0.1 ml	\$75.00
RA0149-C.5	0.5 ml	\$239.00

Kappa Light Chain (B-Cell marker); Clone KLC709 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human Ig kappa chain
 Clone: KLC709
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: 293T, Raji or hPBL cells. Tonsil or spleen.
 Specificity: This monoclonal antibody is specific to the kappa light chain of immunoglobulins and shows no cross-reaction with the lambda light chain or any of the five heavy chains.
 Status: RUO

Catalog Number	Volume	Price
RA0153-C.1	0.1 ml	\$75.00
RA0153-C.5	0.5 ml	\$239.00

Kappa Light Chain (B-Cell marker); Clone L1C1 (Concentrate)

Species: Mouse
 Immunogen: Human B-Lymphoma Cells
 Clone: L1C1
 Isotype: IgG1, kappa
 Species Reactivity: Human. Does not react with Rat. Others not known.
 Positive Control: 293T, Raji or hPBL cells. Tonsil or spleen.
 Specificity: This monoclonal antibody is specific to the kappa light chain of immunoglobulins and shows no cross-reaction with the lambda light chain or any of the five heavy chains.
 Status: RUO

Catalog Number	Volume	Price
RA0148-C.1	0.1 ml	\$75.00
RA0148-C.5	0.5 ml	\$239.00

Kappa Light Chain (B-Cell marker); Clone TB28-2 (Concentrate)

Species: Mouse
 Immunogen: Human IgG-kappa myeloma protein
 Clone: TB28-2
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: 293T, Raji or hPBL cells. Tonsil or Spleen.
 Specificity: This monoclonal antibody is specific to the kappa light chain of immunoglobulins and shows no cross-reaction with the lambda light chain or any of the five heavy chains.
 Status: RUO

Catalog Number	Volume	Price
RA0150-C.1	0.1 ml	\$75.00
RA0150-C.5	0.5 ml	\$239.00

KBA.62 (Melanoma Associated Antigen); Clone KBA.62 (Concentrate)

Species: Mouse
 Immunogen: Human KAL cells derived from lymph node metastasis of malignant melanoma
 Clone: KBA.62
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Melanoma
 Specificity: KBA.62 is a novel anti-melanoma antibody. It reacts positively against melanocytic tumors but not against other tumors, thus demonstrating specificity and sensitivity. Moreover, it reacts positively against junctional nevus cells but not intradermal nevi, and against fetal melanocytes but not normal adult melanocytes.
 Status: RUO

Catalog Number	Volume	Price
RA0416-C.1	0.1 ml	\$75.00
RA0416-C.5	0.5 ml	\$239.00

Lambda Light Chain (B-Cell Marker); Clone HP6054 (Concentrate)

Species: Mouse
 Immunogen: Purified human IgG myeloma proteins coupled to polyaminostyrene microbeads.
 Clone: HP6054
 Isotype: IgG2a, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: 293T, Raji or hPBL cells. Tonsil or spleen.
 Specificity: This monoclonal antibody is specific to the lambda light chain of immunoglobulins and shows no cross-reaction with the kappa light chain or any of the five heavy chains.
 Status: RUO

Catalog Number	Volume	Price
RA0156-C.1	0.1 ml	\$75.00
RA0156-C.5	0.5 ml	\$239.00

Lambda Light Chain (B-Cell Marker); Clone ICO-106 (Concentrate)

Species: Mouse
 Immunogen: Purified human IgG
 Clone: ICO-106
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: 293T, Raji or hPBL cells. Tonsil or spleen.
 Specificity: This monoclonal antibody is specific to the lambda light chain of immunoglobulins and shows no cross-reaction with the kappa light chain or any of the five heavy chains.
 Status: RUO

Catalog Number	Volume	Price
RA0155-C.1	0.1 ml	\$75.00
RA0155-C.5	0.5 ml	\$239.00

Lambda Light Chain (B-Cell Marker); Clone LAM03 (Concentrate)

Species: Mouse
 Immunogen: Purified human lambda light chain
 Clone: LAM03
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: 293T, Raji or hPBL cells. Tonsil or spleen.
 Specificity: This monoclonal antibody is specific to the lambda light chain of immunoglobulins and shows no cross-reaction with the kappa light chain or any of the five heavy chains.
 Status: RUO

Catalog Number	Volume	Price
RA0158-C.1	0.1 ml	\$75.00
RA0158-C.5	0.5 ml	\$239.00

Lambda Light Chain (B-Cell Marker); Clone Lamb14 (Concentrate)

Species: Mouse
 Immunogen: Purified human lambda light chain
 Clone: Lamb14
 Isotype: IgG2a, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: 293T, Raji or hPBL cells. Tonsil or spleen.
 Specificity: This monoclonal antibody is specific to the lambda light chain of immunoglobulins and shows no cross-reaction with the kappa light chain or any of the five heavy chains.
 Status: RUO

Catalog Number	Volume	Price
RA0160-C.1	0.1 ml	\$75.00
RA0160-C.5	0.5 ml	\$239.00

Lambda Light Chain (B-Cell Marker); Clone LcN-2 & ICO-106 (Concentrate)

Species: Mouse
 Immunogen: Purified human IgG (LcN-2 & ICO-106)
 Clone: LcN-2 & ICO-106
 Isotype: IgG2a, kappa (LcN-2); IgG1, kappa (ICO-106)
 Species Reactivity: Human. Others not known.
 Positive Control: 293T, Raji or hPBL cells. Tonsil or spleen.
 Specificity: This monoclonal antibody is specific to the lambda light chain of immunoglobulins and shows no cross-reaction with the kappa light chain or any of the five heavy chains.
 Status: RUO

Catalog Number	Volume	Price
RA0159-C.1	0.1 ml	\$75.00
RA0159-C.5	0.5 ml	\$239.00

Lambda Light Chain (B-Cell Marker); Clone LcN-2 (Concentrate)

Species: Mouse
 Immunogen: Purified human IgG
 Clone: LcN-2
 Isotype: IgG2a, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: 293T, Raji or hPBL cells. Tonsil or spleen.
 Specificity: This monoclonal antibody is specific to the lambda light chain of immunoglobulins and shows no cross-reaction with the kappa light chain or any of the five heavy chains.
 Status: RUO

Catalog Number	Volume	Price
RA0157-C.1	0.1 ml	\$75.00
RA0157-C.5	0.5 ml	\$239.00

Macrophage Marker (Calgranulin A/B); Clone CAG/426 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human Calgranulin protein
 Clone: CAG/426
 Isotype: IgG1, kappa
 Species Reactivity: Human, Baboon, Monkey, Cow, Pig, Goat, Horse, Cat, Dog, Rabbit, Guinea pig, Rat, and Mouse. Others not known.

Positive Control: Tonsil, lymph node, or spleen.
 Specificity: Recognizes a 12-14kDa subunit of Calgranulin A/B (also known as S100A8/A9 or MRP-8/14); this protein is expressed by granulocytes, monocytes, and tissue macrophages. This antibody reacts with neutrophils, monocytes, macrophages, and squamous mucosal epithelia, and has been shown to be an important marker for identifying macrophages in tissue sections.
 Status: RUO

Catalog Number	Volume	Price
RA0288-C.1	0.1 ml	\$75.00
RA0288-C.5	0.5 ml	\$239.00

Macrophage Marker (Macrophage L1 Protein) (Calprotectin); Clone MAC387 (Concentrate)

Species: Mouse
 Immunogen: Affinity purified monocyte membrane preparation
 Clone: MAC387
 Isotype: IgG1, kappa
 Species Reactivity: Human, Baboon, Monkey, Cow, Pig, Goat, Horse, Cat, Dog, Rabbit, Guinea pig, Rat, and Mouse. Others not known.

Positive Control: Tonsil, lymph node, or spleen.
 Specificity: This antibody recognizes the L1 or Calprotectin molecule, an intra-cytoplasmic antigen comprised of 12-14kDa subunits expressed by granulocytes, monocytes, and tissue macrophages. This antibody reacts with neutrophils, monocytes, macrophages, and squamous mucosal epithelia and has been shown to be an important marker for identifying macrophages in tissue sections.
 Status: RUO

Catalog Number	Volume	Price
RA0287-C.1	0.1 ml	\$75.00
RA0287-C.5	0.5 ml	\$239.00

Macrophage Marker (Myeloid-Related Proteins 8/14) (MRP-8/MRP-14); Clone MRP/840 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human MRP protein
 Clone: MRP/840
 Isotype: IgG1, kappa
 Species Reactivity: Human, Baboon, Monkey, Cow, Pig, Goat, Horse, Cat, Dog, Rabbit, Guinea pig, Rat, and Mouse. Others not known.

Positive Control: Tonsil, lymph node, or spleen.
 Specificity: Recognizes a 12-14kDa subunit of MRP-8/14 (also known as Calgranulin A/B or S100A8/A9); expressed by granulocytes, monocytes, and tissue macrophages. This antibody reacts with neutrophils, monocytes, macrophages, and squamous mucosal epithelia and has been shown to be an important marker for identifying macrophages in tissue sections.
 Status: RUO

Catalog Number	Volume	Price
RA0290-C.1	0.1 ml	\$75.00
RA0290-C.5	0.5 ml	\$239.00

Macrophage Marker (S100A8/A9); Clone S100/722 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human S100 protein
 Clone: S100/722
 Isotype: IgG1, kappa
 Species Reactivity: Human, Baboon, Monkey, Cow, Pig, Goat, Horse, Cat, Dog, Rabbit, Guinea pig, Rat, and Mouse. Others not known.

Positive Control: Tonsil, lymph node, or spleen.
 Specificity: Recognizes a 12-14kDa subunit of S100A8/A9 (also known as Calgranulin A/B or MRP-8/14); expressed by granulocytes, monocytes, and tissue macrophages. This antibody reacts with neutrophils, monocytes, macrophages, and squamous mucosal epithelia, and has been shown to be an important marker for identifying macrophages in tissue sections.
 Status: RUO

Catalog Number	Volume	Price
RA0289-C.1	0.1 ml	\$75.00
RA0289-C.5	0.5 ml	\$239.00

MAGE-1 (Target for Cancer Immunotherapy); Clone MA454 (Concentrate)

Species: Mouse
 Immunogen: Human MAGE-A1 full length recombinant protein
 Clone: MA454
 Isotype: IgG1, kappa

Species Reactivity: Human, Rat and Dog. Others not known.
 Positive Control: Melanoma cell lines. Melanomas, gliomas, neuroblastoma, non-small cell lung cancer, breast, gastric, colorectal, ovarian, and renal cell carcinomas.
 Specificity: Recognizes a protein of 42-46kDa, identified as MAGE-1. This antibody does not cross-react with MAGE-2, -3, -4, -6 -9, -10, -or -12 proteins.
 Status: RUO

Catalog Number	Volume	Price
RA0201-C.1	0.1 ml	\$75.00
RA0201-C.5	0.5 ml	\$239.00

MAGE-1 (Target for Cancer Immunotherapy); Clone MZ2E/838 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human MAGEA1 protein
 Clone: MZ2E/838
 Isotype: IgG1, kappa

Species Reactivity: Human. Others not known.
 Positive Control: Melanoma cell lines. Melanomas, gliomas, neuroblastoma, non-small cell lung cancer, breast, gastric, colorectal, ovarian, and renal cell carcinomas.
 Specificity: Recognizes a protein of 42-46kDa, identified as MAGE-1. This antibody does not cross-react with MAGE-2, -3, -4, -6 -9, -10, -or -12 proteins.
 Status: RUO

Catalog Number	Volume	Price
RA0202-C.1	0.1 ml	\$75.00
RA0202-C.5	0.5 ml	\$239.00

Major Vault Protein (MVP); Clone 1014 (Concentrate)

Species: Mouse
 Immunogen: Proteins precipitated from human breast cancer MCF-7 cells
 Clone: 1014
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not tested.
 Positive Control: MCF-7/HeLa cells, breast tumors.
 Specificity: Recognizes a protein of 104kDa-110kDa, characterized as major vault protein (MVP).
 Status: RUO

Catalog Number	Volume	Price
RA0349-C.1	0.1 ml	\$75.00
RA0349-C.5	0.5 ml	\$239.00

Major Vault Protein (MVP); Clone 1032 (Concentrate)

Species: Mouse
 Immunogen: Proteins precipitated from human breast cancer MCF-7 cells
 Clone: 1032
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not tested.
 Positive Control: MCF-7/HeLa cells, breast tumors.
 Specificity: Recognizes a protein of 104kDa-110kDa, characterized as major vault protein (MVP).
 Status: RUO

Catalog Number	Volume	Price
RA0350-C.1	0.1 ml	\$75.00
RA0350-C.5	0.5 ml	\$239.00

MALT1 (MALT-Lymphoma Marker); Clone MT1/410 (Concentrate)

Species: Mouse
 Immunogen: Human MALT1 recombinant fragment (aa 701-808)
 Clone: MT1/410
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Jurkat, Daudi, or HeLa cells. Tonsil or lymphoma.
 Specificity: Highly expressed in peripheral blood mononuclear cells. Detected at lower levels in bone marrow, thymus and lymph node, and at very low levels in colon and lung.
 Status: RUO

Catalog Number	Volume	Price
RA0352-C.1	0.1 ml	\$75.00
RA0352-C.5	0.5 ml	\$239.00

MART-1 / Melan-A / MLANA (Melanoma Marker); Clone A103 (Concentrate)

Species: Mouse
 Immunogen: Recombinant hMART-1 protein
 Clone: A103
 Isotype: IgG1, kappa
 Species Reactivity: Human, Mouse, Rat and Dog. Others not tested.
 Positive Control: SK-MEL-13 and SK-MEL-19 Melanoma cell lines, Melanomas.
 Specificity: This monoclonal antibody recognizes a protein doublet of 20-22kDa, identified as MART-1 (Melanoma Antigen Recognized by T-cells 1) or Melan-A. This antibody labels melanomas and other tumors showing melanocytic differentiation. It is also a useful positive-marker for angiomyolipomas. It does not stain tumor cells of epithelial, lymphoid, glial, or mesenchymal origin.
 Status: RUO

Catalog Number	Volume	Price
RA0114-C.1	0.1 ml	\$75.00
RA0114-C.5	0.5 ml	\$239.00

MART-1 / Melan-A / MLANA (Melanoma Marker); Clone A103, M2-7C10 & M2-9E3 (Concentrate)

Species: Mouse
 Immunogen: Recombinant hMART-1 protein (A103; M2-7C10; M2-9E3)
 Clone: A103, M2-7C10 & M2-9E3
 Isotype: IgG1 (A103); IgG2b (M2-7C10 & M2-9E3)
 Species Reactivity: Human, Mouse, Rat and Dog. Others not tested.
 Positive Control: SK-MEL-13 and SK-MEL-19 Melanoma cell lines, Melanomas.
 Specificity: This monoclonal antibody recognizes a protein doublet of 20-22kDa, identified as MART-1 (Melanoma Antigen Recognized by T-cells 1) or Melan-A. This antibody labels melanomas and other tumors showing melanocytic differentiation. It is also a useful positive-marker for angiomyolipomas. It does not stain tumor cells of epithelial, lymphoid, glial, or mesenchymal origin.
 Status: RUO

Catalog Number	Volume	Price
RA0115-C.1	0.1 ml	\$75.00
RA0115-C.5	0.5 ml	\$239.00

MART-1 / Melan-A / MLANA (Melanoma Marker); Clone DT101 & BC199 (Concentrate)

Species: Mouse
 Immunogen: Recombinant hMART-1 protein (DT101 & BC199)
 Clone: DT101 & BC199
 Isotype: IgG2b, kappa (DT101 & BC199)
 Species Reactivity: Human. Others not tested.
 Positive Control: SK-MEL-13 and SK-MEL-19 Melanoma cell lines, Melanomas.
 Specificity: This monoclonal antibody recognizes a protein doublet of 20-22kDa, identified as MART-1 (Melanoma Antigen Recognized by T-cells 1) or Melan-A. This antibody labels melanomas and other tumors showing melanocytic differentiation. It is also a useful positive-marker for angiomyolipomas. It does not stain tumor cells of epithelial, lymphoid, glial, or mesenchymal origin.
 Status: RUO

Catalog Number	Volume	Price
RA0117-C.1	0.1 ml	\$75.00
RA0117-C.5	0.5 ml	\$239.00

MART-1 / Melan-A / MLANA (Melanoma Marker); Clone M2-7C10 & M2-9E3 (Concentrate)

Species: Mouse
 Immunogen: Recombinant hMART-1 protein (M2-7C10; M2-9E3)
 Clone: M2-7C10 & M2-9E3
 Isotype: IgG2b, kappa (M2-7C10 & M2-9E3)
 Species Reactivity: Human, Mouse and Rat. Others not tested.
 Positive Control: SK-MEL-13 and SK-MEL-19 Melanoma cell lines, Melanomas.
 Specificity: This monoclonal antibody recognizes a protein doublet of 20-22kDa, identified as MART-1 (Melanoma Antigen Recognized by T-cells 1) or Melan-A. This antibody labels melanomas and other tumors showing melanocytic differentiation. It is also a useful positive-marker for angiomyolipomas. It does not stain tumor cells of epithelial, lymphoid, glial, or mesenchymal origin.
 Status: RUO

Catalog Number	Volume	Price
RA0116-C.1	0.1 ml	\$75.00
RA0116-C.5	0.5 ml	\$239.00

MART-1 / Melan-A / MLANA (Melanoma Marker); Clone M2-7C10 (Concentrate)

Species: Mouse
 Immunogen: Recombinant hMART-1 protein
 Clone: M2-7C10
 Isotype: IgG2b, kappa
 Species Reactivity: Human. Does not react with Mouse and Rat. Others not tested.
 Positive Control: SK-MEL-13 and SK-MEL-19 Melanoma cell lines, Melanomas.
 Specificity: This monoclonal antibody recognizes a protein doublet of 20-22kDa, identified as MART-1 (Melanoma Antigen Recognized by T-cells 1) or Melan-A. This antibody labels melanomas and other tumors showing melanocytic differentiation. It is also a useful positive-marker for angiomyolipomas. It does not stain tumor cells of epithelial, lymphoid, glial, or mesenchymal origin.
 Status: RUO

Catalog Number	Volume	Price
RA0112-C.1	0.1 ml	\$75.00
RA0112-C.5	0.5 ml	\$239.00

MART-1 / Melan-A / MLANA (Melanoma Marker); Clone M2-9E3 (Concentrate)

Species: Mouse
 Immunogen: Recombinant hMART-1 protein
 Clone: M2-9E3
 Isotype: IgG2b, kappa
 Species Reactivity: Human, Mouse and Rat. Others not tested.
 Positive Control: SK-MEL-13 and SK-MEL-19 Melanoma cell lines, Melanomas.
 Specificity: This monoclonal antibody recognizes a protein doublet of 20-22kDa, identified as MART-1 (Melanoma Antigen Recognized by T-cells 1) or Melan-A. This antibody labels melanomas and other tumors showing melanocytic differentiation. It is also a useful positive-marker for angiomyolipomas. It does not stain tumor cells of epithelial, lymphoid, glial, or mesenchymal origin.
 Status: RUO

Catalog Number	Volume	Price
RA0113-C.1	0.1 ml	\$75.00
RA0113-C.5	0.5 ml	\$239.00

MART-1 / Melan-A / MLANA (Melanoma Marker); Clone MLANA/788 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human MLANA protein
 Clone: MLANA/788
 Isotype: IgG1, kappa
 Species Reactivity: Human, Mouse, Rat and Dog. Others not tested.
 Positive Control: SK-MEL-13 and SK-MEL-19 Melanoma cell lines, Melanomas.
 Specificity: This monoclonal antibody recognizes a protein doublet of 20-22kDa, identified as MART-1 (Melanoma Antigen Recognized by T-cells 1) or Melan-A. This antibody labels melanomas and other tumors showing melanocytic differentiation. It is also a useful positive-marker for angiomyolipomas. It does not stain tumor cells of epithelial, lymphoid, glial, or mesenchymal origin.
 Status: RUO

Catalog Number	Volume	Price
RA0118-C.1	0.1 ml	\$75.00
RA0118-C.5	0.5 ml	\$239.00

Melanoma Marker (MART-1 & gp100); Clone DT101, BC199, & HMB45 (Concentrate)

Species: Mouse
 Immunogen: Recombinant hMART-1 protein (DT101 & BC199); Extract of pigmented melanoma metastases from lymph nodes (HMB45).
 Clone: DT101, BC199, & HMB45
 Isotype: IgG2b (DT101 & BC199); IgG1 (HMB45).
 Species Reactivity: Human. Others not tested.
 Positive Control: SK-MEL-13 and SK-MEL-19 Melanoma cell lines. Melanomas.
 Specificity: This antibody cocktail recognizes two melanoma-specific proteins which include MART-1 and gp100.
 Status: RUO

Catalog Number	Volume	Price
RA0413-C.1	0.1 ml	\$75.00
RA0413-C.5	0.5 ml	\$239.00

Melanoma Marker (MART-1, Tyrosinase, & gp100); Clone A103, T311, & HMB45 (Concentrate)

Species: Mouse
 Immunogen: Recombinant hMART-1 protein (A103); Recombinant tyrosinase protein (T311); Extract of pigmented melanoma metastases from lymph nodes (HMB45).
 Clone: A103, T311, & HMB45
 Isotype: IgG1 (A103); IgG2a (T311); IgG1 (HMB45).
 Species Reactivity: Human. Others not tested.
 Positive Control: SK-MEL-13 and SK-MEL-19 Melanoma cell lines. Melanomas.
 Specificity: This antibody cocktail recognizes three melanoma-specific proteins which include MART-1, Tyrosinase, and gp100.
 Status: RUO

Catalog Number	Volume	Price
RA0412-C.1	0.1 ml	\$75.00
RA0412-C.5	0.5 ml	\$239.00

Melanoma Marker (MART-1, Tyrosinase, & gp100); Clone DT101, BC199, T311, & HMB45 (Concentrate)

Species: Mouse
 Immunogen: Recombinant hMART-1 protein (DT101 & BC199); Extract of pigmented melanoma metastases from lymph nodes (HMB45); Recombinant tyrosinase protein (T311).
 Clone: DT101, BC199, T311, & HMB45
 Isotype: IgG2b (DT101 & BC199); IgG1 (HMB45); IgG2a (T311).
 Species Reactivity: Human. Others not tested.
 Positive Control: SK-MEL-13 and SK-MEL-19 Melanoma cell lines. Melanomas.
 Specificity: This antibody cocktail recognizes three melanoma-specific proteins which include MART-1, Tyrosinase, and gp100.
 Status: RUO

Catalog Number	Volume	Price
RA0414-C.1	0.1 ml	\$75.00
RA0414-C.5	0.5 ml	\$239.00

Melanoma Marker (MART-1, Tyrosinase, & gp100); Clone M2-7C10, M2-9E3, T311, & HMB45 (Concentrate)

Species: Mouse
 Immunogen: Recombinant hMART-1 protein (M2-7C10; M2-9E3); Recombinant tyrosinase protein (T311); Extract of pigmented melanoma metastases from lymph nodes (HMB45).
 Clone: M2-7C10, M2-9E3, T311, & HMB45
 Isotype: IgG2b (M2-7C10 & M2-9E3); IgG2a (T311); IgG1 (HMB45).
 Species Reactivity: Human. Others not tested.
 Positive Control: SK-MEL-13 and SK-MEL-19 Melanoma cell lines. Melanomas.
 Specificity: This antibody cocktail recognizes three melanoma-specific proteins which include MART-1, Tyrosinase, and gp100.
 Status: RUO

Catalog Number	Volume	Price
RA0411-C.1	0.1 ml	\$75.00
RA0411-C.5	0.5 ml	\$239.00

Microphthalmia Transcription Factor (MITF); Clone D5 & MITF/915 (Concentrate)

Species: Mouse
 Immunogen: N-terminal fragment of human MITF protein (D5); Recombinant human MITF protein (MITF/915)
 Clone: D5 & MITF/915
 Isotype: IgG1, kappa (D5); IgG1, kappa (MITF/915)
 Species Reactivity: Human. Does not react with Mouse and Rat. Others not tested.
 Positive Control: Jurkat, A-431, HeLa or 501 Mel human melanoma cells or Melanoma.
 Specificity: Anti-MITF recognizes a nuclear protein, which is expressed in the majority of primary and metastatic epithelioid malignant melanomas as well as in normal melanocytes, benign nevi, and dysplastic nevi.
 Status: RUO

Catalog Number	Volume	Price
RA0210-C.1	0.1 ml	\$75.00
RA0210-C.5	0.5 ml	\$239.00

Microphthalmia Transcription Factor (MITF); Clone D5 (Concentrate)

Species: Mouse
 Immunogen: N-terminal fragment of human MITF protein
 Clone: D5
 Isotype: IgG1, kappa
 Species Reactivity: Human. Does not react with Mouse and Rat. Others not tested.
 Positive Control: Jurkat, A-431, HeLa or 501 Mel human melanoma cells or Melanoma.
 Specificity: Anti-MITF recognizes a nuclear protein, which is expressed in the majority of primary and metastatic epithelioid malignant melanomas as well as in normal melanocytes, benign nevi, and dysplastic nevi.
 Status: RUO

Catalog Number	Volume	Price
RA0207-C.1	0.1 ml	\$75.00
RA0207-C.5	0.5 ml	\$239.00

Microphthalmia Transcription Factor (MITF); Clone MITF/915 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human MITF protein
 Clone: MITF/915
 Isotype: IgG1, kappa
 Species Reactivity: Human and Dog. Does not react with Mouse and Rat. Others not tested.
 Positive Control: Jurkat, A-431, HeLa or 501 Mel human melanoma cells or Melanoma.
 Specificity: Anti-MITF recognizes a nuclear protein, which is expressed in the majority of primary and metastatic epithelioid malignant melanomas as well as in normal melanocytes, benign nevi, and dysplastic nevi.
 Status: RUO

Catalog Number	Volume	Price
RA0208-C.1	0.1 ml	\$75.00
RA0208-C.5	0.5 ml	\$239.00

Mitochondria (Marker for Human Cells); Clone AE-1 (Concentrate)

Species: Mouse
 Immunogen: Semi-purified mitochondrial preparation
 Clone: AE-1
 Isotype: IgG1, kappa
 Species Reactivity: Human. Does not react with Mouse and Rat. Others not known.
 Positive Control: HeLa or HepG2 cells. Hepatic carcinoma.
 Specificity: This antibody recognizes a 60kDa antigen associated with the mitochondria in human cells.
 Status: RUO

Catalog Number	Volume	Price
RA0396-C.1	0.1 ml	\$75.00
RA0396-C.5	0.5 ml	\$239.00

Mitochondria (Marker for Human Cells); Clone MTC02 (Concentrate)

Species: Mouse
 Immunogen: Semi-purified mitochondrial preparation
 Clone: MTC02
 Isotype: IgG1, kappa
 Species Reactivity: Human. Does not react with Mouse and Rat. Others not known.
 Positive Control: HeLa or HepG2 cells. Hepatic carcinoma.
 Specificity: This antibody recognizes a 60kDa antigen associated with the mitochondria in human cells.
 Status: RUO

Catalog Number	Volume	Price
RA0393-C.1	0.1 ml	\$75.00
RA0393-C.5	0.5 ml	\$239.00

Mitochondria (Marker for Human Cells, Granular RCC's & Salivary Tumors); Clone 113-1 (Concentrate)

Species: Mouse
 Immunogen: Semi-purified mitochondrial preparation
 Clone: 113-1
 Isotype: IgG1, kappa
 Species Reactivity: Human. Does not react with Mouse and Rat. Others not known.
 Positive Control: HeLa or HepG2 cells. Hepatic carcinoma.
 Specificity: This antibody recognizes a 60kDa antigen associated with the mitochondria in human cells. It can be used to stain mitochondria in cell or tissue preparations and can be used as a mitochondrial marker in subcellular fractions.
 Status: RUO

Catalog Number	Volume	Price
RA0392-C.1	0.1 ml	\$75.00
RA0392-C.5	0.5 ml	\$239.00

Mitochondrial Marker; Clone MTC719 (Concentrate)

Species: Mouse
 Immunogen: Mitochondrial fraction of HeLa cells
 Clone: MTC719
 Isotype: IgG1, kappa
 Species Reactivity: Human. Shows broad species reactivity. Does not react with insects or bacteria.
 Positive Control: HeLa or HepG2 cells. Hepatic carcinomas.
 Specificity: This antibody recognizes a 60kDa antigen associated with the mitochondria in cells.
 Status: RUO

Catalog Number	Volume	Price
RA0394-C.1	0.1 ml	\$75.00
RA0394-C.5	0.5 ml	\$239.00

Mitochondrial Marker; Clone MTC754 (Concentrate)

Species: Mouse
 Immunogen: Mitochondrial fraction of HeLa cells
 Clone: MTC754
 Isotype: IgG1, kappa
 Species Reactivity: Human. Shows broad species reactivity including insects and bacteria.
 Positive Control: HeLa or HepG2 cells. Hepatic carcinomas.
 Specificity: This antibody recognizes a 60kDa antigen associated with the mitochondria in cells.
 Status: RUO

Catalog Number	Volume	Price
RA0395-C.1	0.1 ml	\$75.00
RA0395-C.5	0.5 ml	\$239.00

Moesin; Clone MSN491 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human moesin protein
 Clone: MSN491
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: HT-29, CH3LC, or HUVEC cells. Uterus, placenta, tonsil (both B- and T-lymphocytes), skeletal muscle, thyroid, or kidney.
 Specificity: This antibody recognizes the 78kDa moesin protein.
 Status: RUO

Catalog Number	Volume	Price
RA0211-C.1	0.1 ml	\$75.00
RA0211-C.5	0.5 ml	\$239.00

MUC1 / EMA / CD227 (Epithelial Marker); Clone 139H2 (Concentrate)

Species: Mouse
 Immunogen: Human milk-fat globule membranes
 Clone: 139H2
 Isotype: IgG1, kappa
 Species Reactivity: Human and Mouse. Others not known.
 Positive Control: MCF-7 or MDA-231 cells. Breast or colon carcinoma.
 Specificity: 139H2 reacts with MUC1, a large transmembrane glycoprotein expressed on the ductal surface of normal glandular epithelia. The dominant epitope of 139H2 has not yet been determined. In immunohistochemical assays, it superbly stains routine formalin/paraffin carcinoma tissues. An antibody to MUC1 is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.
 Status: RUO

Catalog Number	Volume	Price
RA0217-C.1	0.1 ml	\$75.00
RA0217-C.5	0.5 ml	\$239.00

MUC1 / EMA / CD227 (Epithelial Marker); Clone E29 (Concentrate)

Species: Mouse
 Immunogen: Delipidated extract of human milk fat globule membranes
 Clone: E29
 Isotype: IgG2a, kappa
 Species Reactivity: Human. Reacts moderately with Pig and Dog. Others not known.
 Positive Control: MCF-7 or MDA-231 cells. Breast or colon carcinoma.
 Specificity: In Western blotting, this antibody recognizes proteins in a MW range of 265-400kDa, identified as different glycoforms of MUC1. This antibody reacts with the DTRP epitope within the tandem repeats. In immunohistochemical assays, it superbly stains routine formalin/paraffin carcinoma tissues. An antibody to MUC1 is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.
 Status: RUO

Catalog Number	Volume	Price
RA0214-C.1	0.1 ml	\$75.00
RA0214-C.5	0.5 ml	\$239.00

MUC1 / EMA / CD227 (Epithelial Marker); Clone GP1.4 & E29 (Concentrate)

Species: Mouse
 Immunogen: Human milk fat globule membranes (GP1.4); Delipidated extract of human milk fat globule membranes (E29).
 Clone: GP1.4 & E29
 Isotype: IgG1, kappa (GP1.4); IgG2a, kappa (E29)
 Species Reactivity: Human. Reacts moderately with Pig and Dog. Others not known.
 Positive Control: Breast or colon carcinoma.
 Specificity: In Western blotting, this antibody recognizes proteins in a MW range of 265-400kDa, identified as different glycoforms of MUC1. This antibody reacts with the DTRP epitope within the tandem repeats. In immunohistochemical assays, it superbly stains routine formalin/paraffin carcinoma tissues. An antibody to MUC1 is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.
 Status: RUO

Catalog Number	Volume	Price
RA0215-C.1	0.1 ml	\$75.00
RA0215-C.5	0.5 ml	\$239.00

MUC1 / EMA / CD227 (Epithelial Marker); Clone GP1.4 (Concentrate)

Species: Mouse
 Immunogen: Human milk fat globule membranes
 Clone: GP1.4
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: MCF-7 or MDA-231 cells. Breast or colon carcinoma.
 Specificity: In Western blotting, this antibody recognizes proteins in a MW range of 265-400kDa, identified as different glycoforms of MUC1. This antibody reacts with the DTRP epitope within the tandem repeats. In immunohistochemical assays, it superbly stains routine formalin/paraffin carcinoma tissues. An antibody to MUC1 is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.
 Status: RUO

Catalog Number	Volume	Price
RA0212-C.1	0.1 ml	\$75.00
RA0212-C.5	0.5 ml	\$239.00

MUC1 / EMA / CD227 (Epithelial Marker); Clone HMPV (Concentrate)

Species: Mouse
 Immunogen: Human breast cancer cell line ZR-75 cells
 Clone: HMPV
 Isotype: IgM, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: MCF-7 or MDA-231 cells. Breast or colon carcinoma.
 Specificity: HMPV recognizes full-length MUC1 in a glycosylation-independent manner and can bind to the fully glycosylated protein. The dominant epitope of HMPV is APDTR in the VNTR region. It reacts with the core peptide of the MUC1 protein. This antibody has been shown to react with both normal and malignant epithelia of various tissues including breast and colon.
 Status: RUO

Catalog Number	Volume	Price
RA0218-C.1	0.1 ml	\$75.00
RA0218-C.5	0.5 ml	\$239.00

MUC1 / EMA / CD227 (Epithelial Marker); Clone PEM/845 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human MUC1 protein
 Clone: PEM/845
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: MCF-7 or MDA-231 cells. Breast or colon carcinoma.

Specificity: In Western blotting, this antibody recognizes proteins in a MW range of 265-400kDa, identified as different glycoforms of MUC1. This antibody reacts with the DTRP epitope within the tandem repeats. In immunohistochemical assays, it superbly stains routine formalin/paraffin carcinoma tissues. An antibody to MUC1 is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.

Status: RUO

Catalog Number	Volume	Price
RA0216-C.1	0.1 ml	\$75.00
RA0216-C.5	0.5 ml	\$239.00

MUC2 (Mucin 2); Clone CCP58 (Concentrate)

Species: Mouse
 Immunogen: A synthetic peptide of 29 amino acids, KYPTTTPISTTTMTPTPTGTGTPTTT from MUC2 protein, coupled to KLH.

Clone: CCP58

Isotype: IgG1, kappa

Species Reactivity: Human. Others not known.

Positive Control: LS174T cells or small intestine.

Specificity: Recognizes a single glycoprotein of 520kDa, identified as mucin 2 (MUC2). This antibody shows no cross-reaction with human milk fat globule membranes, MUC1, or MUC3.

Status: RUO

Catalog Number	Volume	Price
RA0219-C.1	0.1 ml	\$75.00
RA0219-C.5	0.5 ml	\$239.00

MUC2 (Mucin 2); Clone MLP/842 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human MUC2 protein
 Clone: MLP/842

Isotype: IgG1, kappa

Species Reactivity: Human. Others not known.

Positive Control: LS174T cells or small intestine.

Specificity: Recognizes a single glycoprotein of 520kDa, identified as mucin 2 (MUC2). This antibody shows no cross-reaction with human milk fat globule membranes, MUC1, or MUC3.

Status: RUO

Catalog Number	Volume	Price
RA0220-C.1	0.1 ml	\$75.00
RA0220-C.5	0.5 ml	\$239.00

MUC5AC (Mucin 5AC / Gastric Mucin); Clone 45M1 (Concentrate)

Species: Mouse
 Immunogen: M1 mucin preparation from the fluid of an ovarian mucinous cyst belonging to an O Le(a-b) patient.
 Clone: 45M1

Isotype: IgG1, kappa

Positive Control: Stomach

Cellular Localization: Cytoplasmic

Specificity: This antibody recognizes the peptide core of gastric mucin M1 (>1,000kDa) (recently identified as Mucin 5AC). Its epitope is destroyed by beta-mercaptoethanol and proteases, but not by periodate treatment. This antibody to gastric mucin M1 reacts with the gastric epithelium of normal human gastrointestinal tract as well as with the precancerous and cancerous colon, but it does not react with normal adult colon. It also reacts with fetal colonic mucosa. Resurgence of gastric mucin reactivity during colonic carcinogenesis is due to re-expression of the peptide core of gastric (or fetal colonic) mucins.

Status: RUO

Catalog Number	Volume	Price
RA0221-C.1	0.1 ml	\$75.00
RA0221-C.5	0.5 ml	\$239.00

MUC5AC (Mucin 5AC / Gastric Mucin); Clone CLH2 (Concentrate)

Species: Mouse

Immunogen: A synthetic peptide of human MUC5AC tandem repeat.

Clone: CLH2

Isotype: IgG1, kappa

Species Reactivity: Human. Others not known.

Positive Control: Stomach

Specificity: Together with a panel of antibodies, anti-MUC5AC may be useful for differential identification of primary mucinous ovarian tumors from colon adenocarcinoma metastatic to the ovary. MUC5AC antibodies may also be useful for identification of intestinal metaplasia as well as in the identification of pancreatic carcinoma and pre-cancerous changes vs. normal pancreas.

Status: RUO

Catalog Number	Volume	Price
RA0222-C.1	0.1 ml	\$75.00
RA0222-C.5	0.5 ml	\$239.00

MUC5AC (Mucin 5AC / Gastric Mucin); Clone MUC5AC/917 (Concentrate)

Species: Mouse

Immunogen: Recombinant human MUC5AC protein

Clone: MUC5AC/917

Isotype: IgG1, kappa

Species Reactivity: Human. Others not known.

Positive Control: Stomach

Specificity: Together with a panel of antibodies, anti-MUC5AC may be useful for differential identification of primary mucinous ovarian tumors from colon adenocarcinoma metastatic to the ovary. MUC5AC antibodies may also be useful for identification of intestinal metaplasia as well as in the identification of pancreatic carcinoma and pre-cancerous changes vs. normal pancreas.

Status: RUO

Catalog Number	Volume	Price
RA0223-C.1	0.1 ml	\$75.00
RA0223-C.5	0.5 ml	\$239.00

MUC6 (Mucin 6 / Gastric Mucin); Clone CLH5 (Concentrate)

Species: Mouse
 Immunogen: A synthetic peptide of the Gastric Mucin 6 tandem repeat sequence
 Clone: CLH5
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Stomach
 Specificity: Mucin 6 expression is highest in the stomach and gall bladder, with lower expression in the terminal ileum and right colon. In gastric cancer, Mucin 6 has an altered expression. In normal stomach, Mucin 6 is associated with Lewis type 2 antigens; Mucin 6 is also expressed in gastric metaplasia, duodenum, and pancreas. Mucin 6 is a secretory mucin, located in the deeper mucosal folds of human gall bladder, and its expression is altered with increasing degrees of inflammation.
 Status: RUO

Catalog Number	Volume	Price
RA0224-C.1	0.1 ml	\$75.00
RA0224-C.5	0.5 ml	\$239.00

MUC6 (Mucin 6 / Gastric Mucin); Clone MUC6/916 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human MUC6 protein
 Clone: MUC6/916
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Stomach
 Specificity: Mucin 6 expression is highest in the stomach and gall bladder, with lower expression in the terminal ileum and right colon. In gastric cancer, Mucin 6 has an altered expression. In normal stomach, Mucin 6 is associated with Lewis type 2 antigens; Mucin 6 is also expressed in gastric metaplasia, duodenum, and pancreas. Mucin 6 is a secretory mucin, located in the deeper mucosal folds of human gall bladder, and its expression is altered with increasing degrees of inflammation.
 Status: RUO

Catalog Number	Volume	Price
RA0225-C.1	0.1 ml	\$75.00
RA0225-C.5	0.5 ml	\$239.00

Myeloid Cell Marker (Macrophage / Granulocyte Marker); Clone BM-1 (Concentrate)

Species: Mouse
 Immunogen: Human peripheral blood mononuclear cells
 Clone: BM-1
 Isotype: IgG1
 Species Reactivity: Human. Others not known.
 Positive Control: HL60 cells. Bone marrow, lymph node or tonsil.
 Specificity: Recognizes a 183kDa protein with DNA-binding characteristics, which is identified as a myeloid specific antigen. Clone BM-1 reacts with myeloid precursor cells and granulocytes in bone marrow. Its antigen appears to be restricted to M2 and M3 acute myelogenous leukemia (AML) subtypes.
 Status: RUO

Catalog Number	Volume	Price
RA0400-C.1	0.1 ml	\$75.00
RA0400-C.5	0.5 ml	\$239.00

Myeloid-Associated Differentiation Marker (MYADM); Clone BM-2 (Concentrate)

Species: Mouse
 Immunogen: Nuclei from pokeweed mitogen stimulated human peripheral blood lymphocytes
 Clone: BM-2
 Isotype: IgG1
 Species Reactivity: Human and Macaque Monkey. Others not known.
 Positive Control: HL60 cells. Tonsil or lymph node.
 Specificity: Recognizes a myeloid associated differentiation antigen in the cytoplasm of mature granulocytes. It shows no reactivity with any other cell type in human tissues.
 Status: RUO

Catalog Number	Volume	Price
RA0366-C.1	0.1 ml	\$75.00
RA0366-C.5	0.5 ml	\$239.00

MyoD1 (Rhabdomyosarcoma Marker); Clone 5.8A & MYD712 (Concentrate)

Species: Mouse
 Immunogen: Recombinant mouse MyoD1 protein (5.8A); Recombinant human MyoD1 protein (MYD712)
 Clone: 5.8A & MYD712
 Isotype: IgG1, kappa (5.8A); IgG1, kappa (MYD712)
 Species Reactivity: Human, Mouse, Rat, and Chicken. Others not known.
 Positive Control: Rhabdomyosarcoma
 Specificity: Recognizes a phosphor-protein of 45kDa, identified as MyoD1. It does not cross react with myogenin, Myf5, or Myf6. This antibody to MyoD1 labels the nuclei of myoblasts in developing muscle tissues.
 Status: RUO

Catalog Number	Volume	Price
RA0233-C.1	0.1 ml	\$75.00
RA0233-C.5	0.5 ml	\$239.00

MyoD1 (Rhabdomyosarcoma Marker); Clone 5.8A (Concentrate)

Species: Mouse
 Immunogen: Recombinant mouse MyoD1 protein
 Clone: 5.8A
 Isotype: IgG1, kappa
 Species Reactivity: Human, Mouse, Rat, and Chicken. Others not known.
 Positive Control: Rhabdomyosarcoma
 Specificity: Recognizes a phosphor-protein of 45kDa, identified as MyoD1. The epitope of this antibody maps between amino acids 180-189 in the C-terminal region of the mouse MyoD1 protein. It does not cross react with myogenin, Myf5, or Myf6. This antibody to MyoD1 labels the nuclei of myoblasts in developing muscle tissues.
 Status: RUO

Catalog Number	Volume	Price
RA0231-C.1	0.1 ml	\$75.00
RA0231-C.5	0.5 ml	\$239.00

MyoD1 (Rhabdomyosarcoma Marker); Clone MYD712 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human MyoD1 protein
 Clone: MYD712
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Rhabdomyosarcoma
 Specificity: Recognizes a phosphor-protein of 45kDa, identified as MyoD1. It does not cross react with myogenin, Myf5, or Myf6. This antibody to MyoD1 labels the nuclei of myoblasts in developing muscle tissues.
 Status: RUO

Catalog Number	Volume	Price
RA0232-C.1	0.1 ml	\$75.00
RA0232-C.5	0.5 ml	\$239.00

Myogenin (Skeletal Muscle Marker); Clone F5D (Concentrate)

Species: Mouse
 Immunogen: Rat myogenin peptide (aa 73-94) followed by rat myogenin recombinant fragment (aa 30-224) (Epitope aa 138-158)
 Clone: F5D
 Isotype: IgG1, kappa
 Species Reactivity: Human, Mouse, Rat, Dog, Cat, and Pig. Others not known.
 Positive Control: Rh-30 cells. Skeletal muscle or rhabdomyosarcoma.
 Specificity: Anti-myogenin labels the nuclei of myoblasts in developing muscle tissue, and is expressed in tumor cell nuclei of rhabdomyosarcoma and some leiomyosarcomas. Positive nuclear staining may occur in Wilms' tumor.
 Status: RUO

Catalog Number	Volume	Price
RA0235-C.1	0.1 ml	\$75.00
RA0235-C.5	0.5 ml	\$239.00

Myogenin (Skeletal Muscle Marker); Clone MGN185 & F5D (Concentrate)

Species: Mouse
 Immunogen: Human myogenin recombinant protein (MGN185); Rat myogenin recombinant fragment containing amino acid 30-224 (F5D)
 Clone: MGN185 & F5D
 Isotype: IgG1, kappa
 Species Reactivity: Human, Mouse, Rat, Cat, and Pig. Others not known.
 Positive Control: Rh-30 cells. Skeletal muscle or rhabdomyosarcoma.
 Specificity: Anti-myogenin labels the nuclei of myoblasts in developing muscle tissue, and is expressed in tumor cell nuclei of rhabdomyosarcoma and some leiomyosarcomas. Positive nuclear staining may occur in Wilms' tumor.
 Status: RUO

Catalog Number	Volume	Price
RA0236-C.1	0.1 ml	\$75.00
RA0236-C.5	0.5 ml	\$239.00

Myogenin (Skeletal Muscle Marker); Clone MGN185 (Concentrate)

Species: Mouse
 Immunogen: Human myogenin recombinant protein
 Clone: MGN185
 Isotype: IgG1, kappa
 Species Reactivity: Human, Mouse, Rat, Cat and Pig. Others not known.
 Positive Control: Rh-30 cells. Skeletal muscle or rhabdomyosarcoma.
 Specificity: Anti-myogenin labels the nuclei of myoblasts in developing muscle tissue, and is expressed in tumor cell nuclei of rhabdomyosarcoma and some leiomyosarcomas. Positive nuclear staining may occur in Wilms' tumor.
 Status: RUO

Catalog Number	Volume	Price
RA0234-C.1	0.1 ml	\$75.00
RA0234-C.5	0.5 ml	\$239.00

Neurofilament (H & L) (Neuronal Marker); Clone NF421 & NFL/736 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human neurofilament heavy subunit (NF421) & light subunit (NFL/736).
 Clone: NF421 & NFL/736
 Isotype: IgG1 NF421; IgG1 NFL/736
 Species Reactivity: Human, Mouse, Rat, Chicken, and Pig. Others not known.
 Positive Control: Brain and Neuroblastoma.
 Specificity: This antibody reacts with a 200kDa and 68kDa protein, identified as heavy and light subunits of neurofilaments (NF-H & NF-L).
 Status: RUO

Catalog Number	Volume	Price
RA0408-C.1	0.1 ml	\$75.00
RA0408-C.5	0.5 ml	\$239.00

Neurofilament (H & L) (Neuronal Marker); Clone RT97 & NR-4 (Concentrate)

Species: Mouse
 Immunogen: Triton-X 100 insoluble protein fraction of rat brain (RT-97); Pig neurofilament light sub-unit (NR-4).
 Clone: RT97 & NR-4
 Isotype: IgG1 (RT97); IgG1 (NR-4)
 Species Reactivity: Human, Mouse, Rat, Chicken, and Pig. Others not known.
 Positive Control: Brain and Neuroblastoma.
 Specificity: This antibody reacts with a 200kDa and 68kDa protein, identified as heavy and light subunits of neurofilaments (NF-H & NF-L).
 Status: RUO

Catalog Number	Volume	Price
RA0407-C.1	0.1 ml	\$75.00
RA0407-C.5	0.5 ml	\$239.00

Neurofilament (NF-H) (Neuronal Marker); Clone NF421 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human neurofilament protein
 Clone: NF421
 Isotype: IgG1
 Species Reactivity: Human, Mouse, Rat, Pig and Chicken.
 Others not known.

Positive Control: Brain, Neuroblastoma.

Specificity: This antibody reacts with a 200kDa protein, identified as the heavy subunit of neurofilaments (NF-H). Anti-neurofilament stains a number of neural, neuroendocrine, and endocrine tumors. Neuromas, ganglioneuromas, gangliogliomas, ganglioneuroblastomas, and neuroblastomas stain positively for anti-neurofilament. Neurofilaments are also present in paragangliomas as well as adrenal and extra-adrenal pheochromocytomas. Carcinoids, neuroendocrine carcinomas of the skin, and oat cell carcinomas of the lung also express neurofilament.

Status: RUO

Catalog Number	Volume	Price
RA0243-C.1	0.1 ml	\$75.00
RA0243-C.5	0.5 ml	\$239.00

Neurofilament (NF-H) (Neuronal Marker); Clone RT97 (Concentrate)

Species: Mouse
 Immunogen: Triton-X 100 insoluble protein fraction of rat brain
 Clone: RT97
 Isotype: IgG1
 Species Reactivity: Human, Mouse, Rat, Pig and Chicken.
 Others not known.

Positive Control: Brain, Neuroblastoma.

Specificity: This antibody reacts with a 200kDa protein, identified as the heavy subunit of neurofilaments (NF-H). Anti-neurofilament stains a number of neural, neuroendocrine, and endocrine tumors. Neuromas, ganglioneuromas, gangliogliomas, ganglioneuroblastomas, and neuroblastomas stain positively for anti-neurofilament. Neurofilaments are also present in paragangliomas as well as adrenal and extra-adrenal pheochromocytomas. Carcinoids, neuroendocrine carcinomas of the skin, and oat cell carcinomas of the lung also express neurofilament.

Status: RUO

Catalog Number	Volume	Price
RA0244-C.1	0.1 ml	\$75.00
RA0244-C.5	0.5 ml	\$239.00

Neurofilament (NF-L) (Neuronal Marker); Clone NFL/736 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human NF-L protein
 Clone: NFL/736
 Isotype: IgG1
 Species Reactivity: Human, Rat, Pig, Cow and Chicken. Others not known.

Positive Control: Brain, Neuroblastoma.

Specificity: This antibody reacts with a 68kDa protein, identified as the light subunit of neurofilaments (NF-L). Anti-neurofilament stains a number of neural, neuroendocrine, and endocrine tumors. Neuromas, ganglioneuromas, gangliogliomas, ganglioneuroblastomas, and neuroblastomas stain positively for anti-neurofilament. Neurofilaments are also present in paragangliomas as well as adrenal and extra-adrenal pheochromocytomas. Carcinoids, neuroendocrine carcinomas of the skin, and oat cell carcinomas of the lung also express neurofilament.

Status: RUO

Catalog Number	Volume	Price
RA0246-C.1	0.1 ml	\$75.00
RA0246-C.5	0.5 ml	\$239.00

Neurofilament (NF-L) (Neuronal Marker); Clone NR-4 (Concentrate)

Species: Mouse
 Immunogen: Pig neurofilament, light sub-unit (NF-L)
 Clone: NR-4
 Isotype: IgG1
 Species Reactivity: Human, Rat, Pig, Cow and Chicken. Others not known.

Positive Control: Brain, Neuroblastoma.

Specificity: This antibody reacts with a 68kDa protein, identified as the light subunit of neurofilaments (NF-L). Anti-neurofilament stains a number of neural, neuroendocrine, and endocrine tumors. Neuromas, ganglioneuromas, gangliogliomas, ganglioneuroblastomas, and neuroblastomas stain positively for anti-neurofilament. Neurofilaments are also present in paragangliomas as well as adrenal and extra-adrenal pheochromocytomas. Carcinoids, neuroendocrine carcinomas of the skin, and oat cell carcinomas of the lung also express neurofilament.

Status: RUO

Catalog Number	Volume	Price
RA0245-C.1	0.1 ml	\$75.00
RA0245-C.5	0.5 ml	\$239.00

NGF-Receptor (p75) / CD271 (Soft Tissue Tumor Marker); Clone NGFR5 & NTR/912 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human p75 NGFR protein
 Clone: NGFR5 & NTR/912
 Isotype: IgG1, kappa (NGFR5); IgG1, kappa (NTR/912)
 Species Reactivity: Human and Non-human Primates. Does not react with Mouse and Rat. Others not known.
 Positive Control: Neuronal axons, Schwann cells, and perineural cells of peripheral nerves, or tumors of nerve sheath differentiation, e.g. Schwannoma, Neurofibroma. Soma and axons of sensory neurons, and ganglionic satellite cells.
 Melanomas.
 Specificity: Recognizes a glycoprotein of 75kDa, identified as low affinity Nerve Growth Factor (NGF) Receptor (p75, NGFR) or Neurotrophin Receptor (p75, NTR). Reportedly, anti-NGFR is a reliable marker for desmoplastic and neurotropic melanomas. Anti-NGFR stains the myoepithelial cells of breast ducts and intra-lobular fibroblasts of breast ducts.
 Status: RUO

Catalog Number	Volume	Price
RA0249-C.1	0.1 ml	\$75.00
RA0249-C.5	0.5 ml	\$239.00

NGF-Receptor (p75) / CD271 (Soft Tissue Tumor Marker); Clone NGFR5 (Concentrate)

Species: Mouse
 Immunogen: NGFR from A875 melanoma cells
 Clone: NGFR5
 Isotype: IgG1, kappa
 Species Reactivity: Human, Monkey, Baboon, Cat, Rabbit and Ferret. Does not react with Mouse and Rat. Others not known.
 Positive Control: Neuronal axons, Schwann cells, and perineural cells of peripheral nerves, or tumors of nerve sheath differentiation, e.g. Schwannoma, Neurofibroma. Soma and axons of sensory neurons, and ganglionic satellite cells.
 Melanomas.
 Specificity: Recognizes a glycoprotein of 75kDa, identified as the low affinity Nerve Growth Factor (NGF) Receptor (p75, NGFR) or Neurotrophin Receptor (p75, NTR). Its epitope resides within aa 1-160 of the extracellular domain of NGFR/NTR.
 Status: RUO

Catalog Number	Volume	Price
RA0247-C.1	0.1 ml	\$75.00
RA0247-C.5	0.5 ml	\$239.00

NGF-Receptor (p75) / CD271 (Soft Tissue Tumor Marker); Clone NTR/912 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human p75 NGFR protein
 Clone: NTR/912
 Isotype: IgG1, kappa
 Species Reactivity: Human and Non-human Primates. Does not react with Mouse and Rat. Others not known.
 Positive Control: Neuronal axons, Schwann cells, and perineural cells of peripheral nerves, or tumors of nerve sheath differentiation, e.g. Schwannoma, Neurofibroma. Soma and axons of sensory neurons, and ganglionic satellite cells.
 Melanomas.
 Specificity: Recognizes a glycoprotein of 75kDa, identified as low affinity Nerve Growth Factor (NGF) Receptor (p75, NGFR) or Neurotrophin Receptor (p75, NTR). Reportedly, anti-NGFR is a reliable marker for desmoplastic and neurotropic melanomas. Anti-NGFR stains the myoepithelial cells of breast ducts and intra-lobular fibroblasts of breast ducts.
 Status: RUO

Catalog Number	Volume	Price
RA0248-C.1	0.1 ml	\$75.00
RA0248-C.5	0.5 ml	\$239.00

NKX2.2 (Neuroendocrine & Ewing Sarcoma Marker); Clone NX2/294 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human NKX2.2 protein
 Clone: NX2/294
 Isotype: IgG2b, kappa
 Species Reactivity: Human, Mouse, Rat and Chicken. Others not known.
 Positive Control: Pancreas or Ewing sarcoma.
 Specificity: The NKX2.2 protein was identified as a target of EWS-FLI-1, the fusion protein specific to Ewing sarcoma, and was shown to be differentially upregulated in Ewing sarcoma on the basis of array-based gene expression analysis. It acts as a valuable marker for Ewing sarcoma, with a sensitivity of 93% and a specificity of 89%, and aids in the differential diagnosis of small round cell tumors.
 Status: RUO

Catalog Number	Volume	Price
RA0250-C.1	0.1 ml	\$75.00
RA0250-C.5	0.5 ml	\$239.00

Nuclear Membrane Marker; Clone AE-5 (Concentrate)

Species: Mouse
 Immunogen: Nuclei of myeloid leukemia biopsy cells
 Clone: AE-5
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Tonsil.
 Specificity: This antibody recognizes an antigen associated with the nuclear membrane expressed in human cells. It can be used to stain the nuclear membrane in cell or tissue preparations and can be used as a marker of the nuclear membrane in subcellular fractions.
 Status: RUO

Catalog Number	Volume	Price
RA0402-C.1	0.1 ml	\$75.00
RA0402-C.5	0.5 ml	\$239.00

Nuclear Membrane Marker; Clone NM97 (Concentrate)

Species: Mouse
 Immunogen: Nuclei of myeloid leukemia biopsy cells
 Clone: NM97
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Human cell lines or tonsil.
 Specificity: Clone NM97 recognizes an antigen associated with the nuclear membrane expressed in human cells. It can be used to stain the nuclear membrane in cell or tissue preparations and can be used as a marker of the nuclear membrane in subcellular fractions.
 Status: RUO

Catalog Number	Volume	Price
RA0401-C.1	0.1 ml	\$75.00
RA0401-C.5	0.5 ml	\$239.00

Nuclear Mitotic Apparatus Protein (NuMA); Clone A73-B/D12 (Concentrate)

Species: Mouse
 Immunogen: Colon carcinoma 174T cells
 Clone: A73-B/D12
 Isotype: IgM, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Exponentially growing any cultured human cells. Tonsil or lymph node.
 Specificity: Recognizes a phosphorylated protein of 228kDa, identified as nuclear mitotic apparatus protein (NuMA). Its epitope is resistant to phosphatases.
 Status: RUO

Catalog Number	Volume	Price
RA0251-C.1	0.1 ml	\$75.00
RA0251-C.5	0.5 ml	\$239.00

Nucleoli Marker; Clone NM95 (Concentrate)

Species: Mouse
 Immunogen: Nuclei of myeloid leukemia biopsy cells
 Clone: NM95
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Tonsil
 Specificity: Clone NM95 recognizes an antigen associated with the nucleoli in human cells. It can be used to stain the nucleoli in cell or tissue preparations and can be used as a marker of the nucleoli in subcellular fractions.
 Status: RUO

Catalog Number	Volume	Price
RA0404-C.1	0.1 ml	\$75.00
RA0404-C.5	0.5 ml	\$239.00

Nucleolin (Marker of Nucleoli); Clone NCL/902 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human nucleolin protein
 Clone: NCL/902
 Isotype: IgG1, kappa
 Species Reactivity: Human. Does not react with Mouse, Rat and Cow. Others not known.
 Positive Control: HeLa cells, breast cancer.
 Specificity: Recognizes a protein of ~76kDa, which is identified as Nucleolin (NCL). This antibody can be used to stain the nucleoli in cell or tissue preparations and can be used as a marker of the nucleoli in subcellular fractions. It produces a speckled pattern in the nuclei of normal and malignant cells and may be used to stain the nucleoli of cells in fixed or frozen tissue sections. It can be used with paraformaldehyde-fixed frozen tissue or cell preparations and formalin-fixed, paraffin-embedded tissue sections.
 Status: RUO

Catalog Number	Volume	Price
RA0242-C.1	0.1 ml	\$75.00
RA0242-C.5	0.5 ml	\$239.00

Ornithine Decarboxylase-1 (ODC-1); Clone ODC1/485 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human ODC-1 protein
 Clone: ODC1/485
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Epithelial cells in normal placenta or prostate carcinoma.
 Specificity: Recognizes a 53kDa protein, identified as Ornithine Decarboxylase (ODC-1).
 Status: RUO

Catalog Number	Volume	Price
RA0252-C.1	0.1 ml	\$75.00
RA0252-C.5	0.5 ml	\$239.00

p21WAF1 (Tumor Suppressor Protein); Clone CIP1/823 (Concentrate)

Species: Mouse
 Immunogen: Human recombinant CDKN1A protein
 Clone: CIP1/823
 Isotype: IgG2a, kappa
 Species Reactivity: Human. Does not react with Mouse and Rat. Others not known.
 Positive Control: HeLa Cells. Skin, colon, or breast carcinoma.
 Specificity: This antibody recognizes a 21kDa protein, identified as the p21WAF1 tumor suppressor protein. It is highly specific to p21 and shows no cross-reaction with other closely related mitotic inhibitors.
 Status: RUO

Catalog Number	Volume	Price
RA0076-C.1	0.1 ml	\$75.00
RA0076-C.5	0.5 ml	\$239.00

p21WAF1 (Tumor Suppressor Protein); Clone DCS-60.2 (Concentrate)

Species: Mouse
 Immunogen: Human recombinant p21 protein
 Clone: DCS-60.2
 Isotype: IgG2a, kappa
 Species Reactivity: Human. Does not react with Mouse and Rat. Others not known.
 Positive Control: HeLa Cells. Skin, colon, or breast carcinoma.
 Specificity: This monoclonal antibody recognizes a 21kDa protein, identified as the p21WAF1 tumor suppressor protein. This antibody is highly specific to p21 and shows no cross-reaction with other closely related mitotic inhibitors.
 Status: RUO

Catalog Number	Volume	Price
RA0075-C.1	0.1 ml	\$75.00
RA0075-C.5	0.5 ml	\$239.00

p21WAF1 (Tumor Suppressor Protein); Clone WA-1 (HJ21) (Concentrate)

Species: Mouse
 Immunogen: Human recombinant p21 protein
 Clone: WA-1 (HJ21)
 Isotype: IgG1, kappa
 Species Reactivity: Human, Monkey, Mouse and Rat. Others not known.
 Positive Control: HeLa Cells. Skin, colon, or breast carcinoma.
 Specificity: This antibody recognizes a 21kDa protein, identified as the p21WAF1 tumor suppressor protein. It is highly specific to p21 and shows no cross-reaction with other closely related mitotic inhibitors.
 Status: RUO

Catalog Number	Volume	Price
RA0074-C.1	0.1 ml	\$75.00
RA0074-C.5	0.5 ml	\$239.00

p27Kip1 (Mitotic Inhibitor/Suppressor Protein); Clone DCS-72.F6 (Concentrate)

Species: Mouse
 Immunogen: Mouse recombinant p27 protein
 Clone: DCS-72.F6
 Isotype: IgG1, kappa
 Species Reactivity: Human, Mouse, Rat and Monkey. Others not known
 Positive Control: ZR75, T47D, SK-BR-3, MDA-MB-231, MCF7 cells. Tonsil, Breast or Colon Carcinoma.
 Specificity: Recognizes a 27kDa protein, identified as p27Kip1, a cell cycle regulatory mitotic inhibitor. Its epitope spans between amino acids 83-204 of p27. It is highly specific and shows no cross-reaction with other related mitotic inhibitors.
 Status: RUO

Catalog Number	Volume	Price
RA0079-C.1	0.1 ml	\$75.00
RA0079-C.5	0.5 ml	\$239.00

p27Kip1 (Mitotic Inhibitor/Suppressor Protein); Clone KIP1/769 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human CDKN1B protein
 Clone: KIP1/769
 Isotype: IgG1, kappa
 Species Reactivity: Human, Mouse, Rat and Monkey. Others not known.
 Positive Control: ZR75, T47D, SK-BR-3, MDA-MB-231, MCF7 cells. Tonsil, breast or colon carcinoma.
 Specificity: This antibody recognizes a 27kDa protein, identified as p27Kip1, a cell cycle regulatory mitotic inhibitor. It is highly specific and shows no cross-reaction with other related mitotic inhibitors.

Catalog Number	Volume	Price
RA0078-C.1	0.1 ml	\$75.00
RA0078-C.5	0.5 ml	\$239.00

p27Kip1 (Mitotic Inhibitor/Suppressor Protein); Clone SX53G8 (Concentrate)

Species: Mouse
 Immunogen: Purified GST-p27 fusion protein of human origin
 Clone: SX53G8
 Isotype: IgG1, kappa
 Species Reactivity: Human, Mouse, Rat and Monkey. Others not known.
 Positive Control: ZR75, T47D, SK-BR-3, MDA-MB-231, MCF7 cells. Tonsil, breast or colon carcinoma.
 Specificity: This antibody recognizes a 27kDa protein, identified as p27Kip1, a cell cycle regulatory mitotic inhibitor. It is highly specific and shows no cross-reaction with other related mitotic inhibitors.
 Status: RUO

Catalog Number	Volume	Price
RA0077-C.1	0.1 ml	\$75.00
RA0077-C.5	0.5 ml	\$239.00

p53 Tumor Suppressor Protein; Clone BP53-12 & DO-7 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human wild-type p53 protein (BP53-12); Recombinant human wild type p53 protein expressed in E. coli (DO-7).
 Clone: BP53-12 & DO-7
 Isotype: IgG2a (BP53-12); IgG2b, kappa (DO-7)
 Species Reactivity: Human, Monkey, and Cow. Others not known.
 Positive Control: MDA-MB-231 Cells. Breast or colon carcinoma.
 Specificity: Recognizes a 53kDa protein, which is identified as p53 suppressor gene product. It reacts with the mutant as well as the wild type form of p53 under denaturing and non-denaturing conditions. Its epitope maps within the N-terminus (aa 20-25) of p53.
 Status: RUO

Catalog Number	Volume	Price
RA0321-C.1	0.1 ml	\$75.00
RA0321-C.5	0.5 ml	\$239.00

p53 Tumor Suppressor Protein; Clone BP53-12 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human wild type p53 protein
 Clone: BP53-12
 Isotype: IgG2a
 Species Reactivity: Human. Does not react with Mouse and Rat. Others not known.
 Positive Control: MDA-MB-231 Cells. Breast or colon carcinoma.
 Specificity: Recognizes a 53kDa protein, which is identified as p53 suppressor gene product. It reacts with the mutant as well as the wild type form of p53 under denaturing and non-denaturing conditions. Its epitope maps within the N-terminus (aa 20-25) of p53 oncoprotein.
 Status: RUO

Catalog Number	Volume	Price
RA0318-C.1	0.1 ml	\$75.00
RA0318-C.5	0.5 ml	\$239.00

p53 Tumor Suppressor Protein; Clone DO-7 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human wild type p53 protein expressed in E. coli.
 Clone: DO-7
 Isotype: IgG2b, kappa
 Species Reactivity: Human, Monkey, and Cow. Others not known.
 Positive Control: MDA-MB-231 Cells. Breast or colon carcinoma.
 Specificity: Recognizes a 53kDa protein, which is identified as p53 suppressor gene product. It reacts with the mutant as well as the wild type form of p53. Its epitope maps within the N-terminus (aa 37-45) of p53.
 Status: RUO

Catalog Number	Volume	Price
RA0319-C.1	0.1 ml	\$75.00
RA0319-C.5	0.5 ml	\$239.00

p53 Tumor Suppressor Protein; Clone TRP/816 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human TP53 protein
 Clone: TRP/816
 Isotype: IgG2a
 Species Reactivity: Human. Others not known.
 Positive Control: MDA-MB-231 Cells. Breast or colon carcinoma.
 Specificity: Recognizes a 53kDa protein, which is identified as p53 suppressor gene product. It reacts with the mutant as well as the wild type form of p53 under denaturing and non-denaturing conditions.
 Status: RUO

Catalog Number	Volume	Price
RA0322-C.1	0.1 ml	\$75.00
RA0322-C.5	0.5 ml	\$239.00

p53 Tumor Suppressor Protein; Clone TRP/817 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human TP53 protein
 Clone: TRP/817
 Isotype: IgG2b, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: MDA-MB-231 Cells. Breast or colon carcinoma.
 Specificity: Recognizes a 53kDa protein, which is identified as p53 suppressor gene product. It reacts with the mutant as well as the wild type form of p53 protein.
 Status: RUO

Catalog Number	Volume	Price
RA0323-C.1	0.1 ml	\$75.00
RA0323-C.5	0.5 ml	\$239.00

p57Kip2 (Mitotic Inhibitor/Suppressor Protein); Clone KIP2/880 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human p57Kip2 protein
 Clone: KIP2/880
 Isotype: IgG2b, kappa
 Species Reactivity: Human and Mouse. Others not known.
 Positive Control: LS174T, Raji, HT29, SK-BR3 cells. Colon carcinomas.
 Specificity: Recognizes a protein of 57kDa, identified as p57Kip2. It shows no cross-reaction with p27Kip1.
 Status: RUO

Catalog Number	Volume	Price
RA0081-C.1	0.1 ml	\$75.00
RA0081-C.5	0.5 ml	\$239.00

p57Kip2 (Mitotic Inhibitor/Suppressor Protein); Clone KP10 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human p57Kip2 protein
 Clone: KP10
 Isotype: IgG2b, kappa
 Species Reactivity: Human and Mouse. Others not known.
 Positive Control: LS174T, Raji, HT29, SK-BR3 cells. Colon carcinomas.
 Specificity: Recognizes a protein of 57kDa, identified as p57Kip2. It shows no cross-reaction with p27Kip1.
 Status: RUO

Catalog Number	Volume	Price
RA0080-C.1	0.1 ml	\$75.00
RA0080-C.5	0.5 ml	\$239.00

Parathyroid Hormone (PTH); Clone 3H9 (Concentrate)

Species: Mouse
 Immunogen: Synthetic peptide corresponding to amino acids 1 to 34 of mature PTH conjugated to a carrier
 Clone: 3H9
 Isotype: IgG2b, kappa
 Species Reactivity: Human. Predicted to react with Mouse, Rat, Rabbit, Cow, Dog, Pig, Deer, and Orangutan.
 Positive Control: Human parathyroid gland carcinoma.
 Specificity: The epitope of this antibody maps in between amino acids 1-34.
 Status: RUO

Catalog Number	Volume	Price
RA0272-C.1	0.1 ml	\$75.00
RA0272-C.5	0.5 ml	\$239.00

Parathyroid Hormone (PTH); Clone PTH1/911 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human PTH polypeptide
 Clone: PTH1/911
 Isotype: IgG2b, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Human parathyroid gland carcinoma.
 Specificity: The epitope of this antibody maps in between amino acids 1-34.
 Status: RUO

Catalog Number	Volume	Price
RA0273-C.1	0.1 ml	\$75.00
RA0273-C.5	0.5 ml	\$239.00

PCNA (Proliferating Cell Nuclear Antigen) (G1- & S-phase Marker); Clone PC10 (Concentrate)

Species: Mouse
 Immunogen: Rat PCNA/Protein A fusion protein
 Clone: PC10
 Isotype: IgG2a, kappa
 Species Reactivity: Human, Monkey, Pig, Mouse, Rat, Chicken, Zebrafish, Drosophila melanogaster and Yeast (*S. pombe* & *S. cerevisiae*). Others not known.
 Positive Control: Tonsil or reactive lymph node.
 Specificity: Recognizes a non-histone protein of 36kDa, which is identified as proliferating cell nuclear antigen (PCNA). It is also known as cyclin or polymerase delta auxiliary protein.
 Status: RUO

Catalog Number	Volume	Price
RA0253-C.1	0.1 ml	\$75.00
RA0253-C.5	0.5 ml	\$239.00

PDCD1 / PD1 / CD279 (Programmed Cell Death 1); Clone NAT105 (Concentrate)

Species: Mouse
 Immunogen: TY cells (human T/NK cell Leukemia)
 Clone: NAT105
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: TY cells or Tonsil.
 Specificity: Anti-PDCD1 is a marker of angioimmunoblastic lymphoma and suggests a unique cell of origin for this neoplasm.
 Status: RUO

Catalog Number	Volume	Price
RA0254-C.1	0.1 ml	\$75.00
RA0254-C.5	0.5 ml	\$239.00

PDCD1 / PD1 / CD279 (Programmed Cell Death 1); Clone PDCD1/922 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human PDCD1 protein
 Clone: PDCD1/922
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: TY cells or Tonsil.
 Specificity: Anti-PDCD-1 is a marker of angioimmunoblastic lymphoma and suggests a unique cell of origin for this neoplasm.
 Status: RUO

Catalog Number	Volume	Price
RA0255-C.1	0.1 ml	\$75.00
RA0255-C.5	0.5 ml	\$239.00

PGP9.5 / UchL1 (pan-Neuronal Marker); Clone 31A3 (Concentrate)

Species: Mouse
 Immunogen: Native UchL1 (PGP9.5) protein from brain
 Clone: 31A3
 Isotype: IgG1, kappa
 Species Reactivity: Human, Mouse, Rat, Cow, and Pig. Others not known.
 Positive Control: Cerebellum
 Specificity: This antibody reacts with a protein of 20-30kDa, identified as PGP9.5, also known as ubiquitin carboxyl-terminal hydrolase-1 (UchL1).
 Status: RUO

Catalog Number	Volume	Price
RA0333-C.1	0.1 ml	\$75.00
RA0333-C.5	0.5 ml	\$239.00

PGP9.5 / UchL1 (pan-Neuronal Marker); Clone PARK5/775 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human UCHL1 protein
 Clone: PARK5/775
 Isotype: IgG1, kappa
 Species Reactivity: Human. Shows a broad species reactivity.
 Positive Control: Cerebellum
 Specificity: This antibody reacts with a protein of 20-30kDa, identified as PGP9.5, also known as ubiquitin carboxyl-terminal hydrolase-1 (UchL1).
 Status: RUO

Catalog Number	Volume	Price
RA0334-C.1	0.1 ml	\$75.00
RA0334-C.5	0.5 ml	\$239.00

Phosphotyrosine (P-Tyr); Clone PTR/793 (Concentrate)

Species: Mouse
 Immunogen: Phosphotyrosine conjugated to BSA
 Clone: PTR/793
 Isotype: IgG2b
 Species Reactivity: All species.
 Positive Control: MCF-7, MDA-231, T47-D cells or breast carcinoma.
 Specificity: This antibody shows no cross-reaction with other phosphoamino acids and is superb for multiple applications including staining of formalin-fixed, paraffin-embedded tissues.
 Status: RUO

Catalog Number	Volume	Price
RA0420-C.1	0.1 ml	\$75.00
RA0420-C.5	0.5 ml	\$239.00

Phosphotyrosine (P-Tyr); Clone PY20 (Concentrate)

Species: Mouse
 Immunogen: Phosphotyrosine conjugated to KLH
 Clone: PY20
 Isotype: IgG2b
 Species Reactivity: All species
 Positive Control: MCF-7, MDA-231, T47-D cells or breast carcinoma.
 Specificity: This antibody shows no cross-reaction with other phosphoamino acids and is superb for multiple applications, including staining of formalin-fixed, paraffin-embedded tissues.
 Status: RUO

Catalog Number	Volume	Price
RA0419-C.1	0.1 ml	\$75.00
RA0419-C.5	0.5 ml	\$239.00

Placental Alkaline Phosphatase (PLAP) (Germ Cell Tumor Marker); Clone ALP/870 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human PLAP protein
 Clone: ALP/870
 Isotype: IgG2b, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: HepG2 cells. Placenta or seminoma.
 Specificity: Reacts with a 70kDa membrane-bound isozyme (Regan and Nagao type) of Placental Alkaline Phosphatase (PLAP) occurring in the placenta during the 3rd trimester of gestation. It is highly specific for PLAP and shows no cross-reaction with other isozymes of alkaline phosphatase.
 Status: RUO

Catalog Number	Volume	Price
RA0005-C.1	0.1 ml	\$75.00
RA0005-C.5	0.5 ml	\$239.00

Placental Alkaline Phosphatase (PLAP) (Germ Cell Tumor Marker); Clone GM022 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human PLAP protein
 Clone: GM022
 Isotype: IgG2b, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: HepG2 cells. Placenta or seminoma.
 Specificity: Reacts with a 70kDa membrane-bound isozyme (Regan and Nagao type) of Placental Alkaline Phosphatase (PLAP) occurring in the placenta during the 3rd trimester of gestation. It is highly specific for PLAP and shows no cross-reaction with other isozymes of alkaline phosphatase.
 Status: RUO

Catalog Number	Volume	Price
RA0006-C.1	0.1 ml	\$75.00
RA0006-C.5	0.5 ml	\$239.00

Placental Alkaline Phosphatase (PLAP) (Germ Cell Tumor Marker); Clone PL8-F6 (Concentrate)

Species: Mouse
 Immunogen: Purified human PLAP protein
 Clone: PL8-F6
 Isotype: IgG2b, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: HepG2 cells. Placenta or seminoma.
 Specificity: Reacts with a 70kDa membrane-bound isozyme (Regan and Nagao type) of Placental Alkaline Phosphatase (PLAP) occurring in the placenta during the 3rd trimester of gestation. It is highly specific for PLAP and shows no cross-reaction with other isozymes of alkaline phosphatase.
 Status: RUO

Catalog Number	Volume	Price
RA0007-C.1	0.1 ml	\$75.00
RA0007-C.5	0.5 ml	\$239.00

Plasma Cell Marker; Clone LIV3G11 (7B18) (Concentrate)

Species: Mouse
 Immunogen: Pancreatic cancer-related mucin
 Clone: LIV3G11; same as 7B18
 Isotype: IgG2a
 Species Reactivity: Human. Does not react with Rat. Others not known.
 Positive Control: Tonsil or lymph node.
 Specificity: This antibody recognizes an intra-cytoplasmic antigen, which shows a very high degree of specificity for plasma cells. This antigen is present in normal as well as neoplastic plasma cells.
 Status: RUO

Catalog Number	Volume	Price
RA0398-C.1	0.1 ml	\$75.00
RA0398-C.5	0.5 ml	\$239.00

PNL2 (Melanoma Associated Antigen); Clone PNL2 (Concentrate)

Species: Mouse
 Immunogen: Melanocyte antigen
 Clone: PNL2
 Isotype: IgG1
 Species Reactivity: Human, Mouse and Dog. Others not known.
 Positive Control: Melanoma
 Specificity: Anti-PNL2 is a novel monoclonal antibody which has recently been introduced as an immunohistochemical reagent to stain melanocytes and tumors derived therefrom. The antigen recognized by PNL2 is different from Melan A and gp100. Its epitope is not destroyed by digestion with neuraminidase, i.e., its epitope is not glycosylated.
 Status: RUO

Catalog Number	Volume	Price
RA0415-C.1	0.1 ml	\$75.00
RA0415-C.5	0.5 ml	\$239.00

Podocalyxin (PODXL) (Hematopoietic Stem Cell Marker); Clone 3D3 (Concentrate)

Species: Mouse
 Immunogen: A recombinant protein fragment containing the intracellular, transmembrane, and part of the extracellular domain of human podocalyxin
 Clone: 3D3
 Isotype: IgG1
 Species Reactivity: Human, Rabbit, and Rat. Others not known.
 Positive Control: HeLa, Raji, Jurkat cells, and angiosarcoma.
 Specificity: The podocalyxin antibody can identify podocytes in the urine (podocyturia) that may indicate glomerular disease, pre-eclampsia, and other kidney pathology.
 Status: RUO

Catalog Number	Volume	Price
RA0264-C.1	0.1 ml	\$75.00
RA0264-C.5	0.5 ml	\$239.00

Podoplanin (Lymphatic Endothelium & Alveolar Epithelial Marker); Clone PDPN/601 (Concentrate)

Species: Rat
 Immunogen: Recombinant fragment containing platelet-aggregation-stimulating (PLAG) domain of HUMAN podoplanin
 Clone: PDPN/601
 Isotype: IgG2a
 Species Reactivity: Human, Monkey and Gorilla. Does not react with Mouse, Rat, and Hamster. Others not known.
 Positive Control: NCCIT cells. Kidney, placenta, lung, skeletal muscle and brain.
 Specificity: This antibody recognizes the platelet aggregation-stimulating (PLAG) domain of podoplanin.
 Status: RUO

Catalog Number	Volume	Price
RA0351-C.1	0.1 ml	\$75.00
RA0351-C.5	0.5 ml	\$239.00

Progesterone Receptor (Marker of Progesterin Dependence); Clone PR484 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human Progesterone Receptor protein
 Clone: PR484
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: T47-D cells or breast cancers.
 Specificity: This antibody is specific to the progesterone receptor and shows minimal cross-reaction with other members of the family.
 Status: RUO

Catalog Number	Volume	Price
RA0263-C.1	0.1 ml	\$75.00
RA0263-C.5	0.5 ml	\$239.00

Prolactin Receptor (PRL-R); Clone B6.2 & PRLR742 (Concentrate)

Species: Mouse
 Immunogen: Semi-purified human prolactin receptor (B6.2); Recombinant human prolactin receptor (PRLR742)
 Clone: B6.2 & PRLR742
 Isotype: IgG1, kappa (B6.2); IgG1, kappa (PRLR742)
 Species Reactivity: Human. Others not known.
 Positive Control: Breast, placenta, liver or pancreas.
 Specificity: This antibody recognizes a protein of 70kDa identified as the prolactin receptor.
 Status: RUO

Catalog Number	Volume	Price
RA0271-C.1	0.1 ml	\$75.00
RA0271-C.5	0.5 ml	\$239.00

Prolactin Receptor (PRL-R); Clone B6.2 (Concentrate)

Species: Mouse
 Immunogen: Semi-purified human prolactin receptor
 Clone: B6.2
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Breast, placenta, liver or pancreas.
 Specificity: This antibody recognizes a protein of 70kDa identified as the prolactin receptor.
 Status: RUO

Catalog Number	Volume	Price
RA0269-C.1	0.1 ml	\$75.00
RA0269-C.5	0.5 ml	\$239.00

Prolactin Receptor (PRL-R); Clone PRLR742 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human prolactin receptor
 Clone: PRLR742
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Breast, placenta, liver or pancreas.
 Specificity: This antibody recognizes a protein of 70kDa identified as the prolactin receptor.
 Status: RUO

Catalog Number	Volume	Price
RA0270-C.1	0.1 ml	\$75.00
RA0270-C.5	0.5 ml	\$239.00

Prostate Specific Antigen (PSA); Clone A67-B/E3 (Concentrate)

Species: Mouse
 Immunogen: PSA from human sperm plasma
 Clone: A67-B/E3
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: PC12 cells or normal prostate or prostate carcinoma.
 Specificity: Recognizes a single protein of 33-34kDa, identified as the prostate specific antigen (PSA). This MAb is highly specific to PSA and stains prostatic secretory and ductal epithelium in both normal and neoplastic tissues.
 Status: RUO

Catalog Number	Volume	Price
RA0008-C.1	0.1 ml	\$75.00
RA0008-C.5	0.5 ml	\$239.00

Prostate Specific Antigen (PSA); Clone KLK3/801 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human KLK3 protein
 Clone: KLK3/801
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: PC12 cells or normal prostate or prostate carcinoma.
 Specificity: Recognizes a single protein of 33-34kDa, identified as the prostate specific antigen (PSA). This MAb is highly specific to PSA and stains prostatic secretory and ductal epithelium in both normal and neoplastic tissues.
 Status: RUO

Catalog Number	Volume	Price
RA0009-C.1	0.1 ml	\$75.00
RA0009-C.5	0.5 ml	\$239.00

pS2 / pNR-2 / Trefoil Factor 1 (Estrogen-Regulated Protein); Clone GE2 (R47/94) (Concentrate)

Species: Mouse
 Immunogen: Synthetic peptide of 28 amino acid residues corresponding to CFDDTVRGVPWCFYPNTIDVPPEEECEF (aa 57-84) from the C-terminus of human pS2.
 Clone: GE2; same as R47/94
 Isotype: IgG1, kappa
 Species Reactivity: Human and Cynomolgus Monkey. Others not known.
 Positive Control: Spent medium of MCF-7 cells, treated with estrogen. Normal stomach. About 60% of breast carcinomas are positive for pS2, especially those that are also positive for estrogen and/or progesterone receptor.
 Specificity: This antibody recognizes a polypeptide of 6.5kDa, identified as pS2 estrogen-regulated protein. Its epitope is localized between aa 57-84 of human pS2 protein.
 Status: RUO

Catalog Number	Volume	Price
RA0300-C.1	0.1 ml	\$75.00
RA0300-C.5	0.5 ml	\$239.00

Renal Cell Carcinoma / gp200 (Carbonic Anhydrase IX); Clone 66.4.C2 (PN-15) (Concentrate)

Species: Mouse
 Immunogen: Microsomal fraction of human renal cortical tissue homogenate
 Clone: 66.4.C2 (PN-15)
 Isotype: IgG2b, kappa
 Species Reactivity: Human and Horse. Others not known.
 Positive Control: Normal kidney or renal cell carcinoma.
 Specificity: Recognizes a glycoprotein of ~200kDa, identified as carbonic anhydrase IX (CAIX/gp200). Its epitope resides in the carbohydrate domain of gp200. It shows no significant cross-reactivity with other carbohydrate determinants, such as the Lewis blood group antigens, epithelial membrane antigen, HMFg, and AB blood group antigens.
 Status: RUO

Catalog Number	Volume	Price
RA0026-C.1	0.1 ml	\$75.00
RA0026-C.5	0.5 ml	\$239.00

Renal Cell Carcinoma / gp200 (Carbonic Anhydrase IX); Clone CA9/781 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human CA9 protein
 Clone: CA9/781
 Isotype: IgG2b, kappa
 Species Reactivity: Human and Horse. Others not known.
 Positive Control: Normal kidney or renal cell carcinoma
 Specificity: Recognizes a glycoprotein of ~200kDa, identified as carbonic anhydrase IX (CAIX/gp200).
 Status: RUO

Catalog Number	Volume	Price
RA0027-C.1	0.1 ml	\$75.00
RA0027-C.5	0.5 ml	\$239.00

S100 (Astrocyte Marker); Clone 4C4.9 (Concentrate)

Species: Mouse
 Immunogen: Purified bovine brain S100 protein
 Clone: 4C4.9
 Isotype: IgG2a, kappa
 Species Reactivity: Human, Mouse, Rat, Cow. Others not known.
 Positive Control: Brain and Melanoma.
 Specificity: S-100 protein has been found in normal melanocytes, Langerhans cells, histiocytes, chondrocytes, lipocytes, skeletal and cardiac muscle, Schwann cells, epithelial and myoepithelial cells of the breast, salivary and sweat glands, as well as in glial cells. Neoplasms derived from these cells also express S-100 protein, albeit non-uniformly. A large number of well-differentiated tumors of the salivary gland, adipose and cartilaginous tissue, and Schwann cell-derived tumors express S-100 protein. Almost all malignant melanomas and cases of histiocytosis X are positive for S-100 protein.
 Status: RUO

Catalog Number	Volume	Price
RA0285-C.1	0.1 ml	\$75.00
RA0285-C.5	0.5 ml	\$239.00

S100A7 / HID5 / Psoriasin (Proliferative Epithelial Cell Marker); Clone S100A7/542 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human S100A7 protein
 Clone: S100A7/542
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: MCF-7 cells. Breast carcinoma.
 Specificity: This antibody recognizes a protein of 11kDa, identified as S100A7. This protein is markedly over-expressed in the skin lesions of psoriatic patients. This protein is found to have elevated expression in abnormally differentiating primary keratinocytes and in various carcinomas, including ductal carcinoma in situ. It may serve as a marker of abnormally proliferative epithelia.
 Status: RUO

Catalog Number	Volume	Price
RA0286-C.1	0.1 ml	\$75.00
RA0286-C.5	0.5 ml	\$239.00

Secretory Component / ECM1; Clone ECM1/792 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human ECM1 protein
 Clone: ECM1/792
 Isotype: IgG1, kappa
 Species Reactivity: Human and Rat. Others not known.
 Positive Control: Stomach, lung, or breast tumor.
 Specificity: This antibody reacts with a reduction-resistant epitope present in both free and SIgA bound Secretory Component. It does not react with the cell lines lacking Secretory Component.
 Status: RUO

Catalog Number	Volume	Price
RA0106-C.1	0.1 ml	\$75.00
RA0106-C.5	0.5 ml	\$239.00

Secretory Component / ECM1; Clone SC05 (Concentrate)

Species: Mouse
 Immunogen: Secretory Component protein isolated from human colostrum
 Clone: SC05
 Isotype: IgG1, kappa
 Species Reactivity: Human and Rat. Others not known.
 Positive Control: Stomach, lung, or breast tumor.
 Specificity: This antibody reacts with a reduction-resistant epitope present in both free and SIgA bound Secretory Component. It does not react with the cell lines lacking Secretory Component.
 Status: RUO

Catalog Number	Volume	Price
RA0105-C.1	0.1 ml	\$75.00
RA0105-C.5	0.5 ml	\$239.00

Smooth Muscle Myosin Heavy Chain (SM-MHC) (Leiomyosarcoma & Myoepithelial Cell Marker); Clone ID8 (Concentrate)

Species: Mouse
 Immunogen: Human uterus extract
 Clone: ID8
 Isotype: IgG1, kappa
 Species Reactivity: Human, Cow, Pig, Dog, Cat, Rabbit, Rat, Guinea pig and Chicken. Others not known.
 Positive Control: Uterus or normal breast.
 Specificity: This antibody may be useful for the study of breast tumors as the presence of an intact layer of myoepithelial cells is an important feature which may distinguish benign breast lesions and carcinoma in situ from invasive tumors.
 Status: RUO

Catalog Number	Volume	Price
RA0229-C.1	0.1 ml	\$75.00
RA0229-C.5	0.5 ml	\$239.00

Smooth Muscle Myosin Heavy Chain (SM-MHC) (Leiomyosarcoma & Myoepithelial Cell Marker); Clone MYH11/923 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human MYH11 protein
 Clone: MYH11/923
 Isotype: IgG1, kappa
 Species Reactivity: Human. Predicted to have broad species reactivity.
 Positive Control: Uterus or normal breast.
 Specificity: This antibody may be useful for the study of breast tumors as the presence of an intact layer of myoepithelial cells is an important feature which may distinguish benign breast lesions and carcinoma in situ from invasive tumors.
 Status: RUO

Catalog Number	Volume	Price
RA0230-C.1	0.1 ml	\$75.00
RA0230-C.5	0.5 ml	\$239.00

Smooth Muscle Myosin Heavy Chain (SM-MHC) (Leiomyosarcoma & Myoepithelial Cell Marker); Clone SMMS-1 (Concentrate)

Species: Mouse
 Immunogen: Human uterus extract
 Clone: SMMS-1
 Isotype: IgG1, kappa
 Species Reactivity: Human, Cow, Pig, Dog, Cat, Rabbit, Rat, Guinea pig and Chicken. Others not known.
 Positive Control: Uterus or normal breast.
 Specificity: This antibody may be useful for the study of breast tumors as the presence of an intact layer of myoepithelial cells is an important feature which may distinguish benign breast lesions and carcinoma in situ from invasive tumors.
 Status: RUO

Catalog Number	Volume	Price
RA0228-C.1	0.1 ml	\$75.00
RA0228-C.5	0.5 ml	\$239.00

SUMO-1; Clone SM1/495 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human SUMO1 protein
 Clone: SM1/495
 Isotype: IgG1, kappa
 Species Reactivity: Human. Shows broad species reactivity.
 Positive Control: Breast carcinoma.
 Specificity: This antibody is specific to SUMO-1 and shows no cross-reaction with either SUMO-2 or SUMO-3.
 Status: RUO

Catalog Number	Volume	Price
RA0332-C.1	0.1 ml	\$75.00
RA0332-C.5	0.5 ml	\$239.00

SUMO-2/3; Clone SM23/496 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human SUMO2 protein
 Clone: SM23/496
 Isotype: IgG1, kappa
 Species Reactivity: Human. Shows broad species reactivity.
 Positive Control: HeLa cells or breast carcinoma.
 Specificity: This antibody reacts with both SUMO-2 and SUMO-3.
 Status: RUO

Catalog Number	Volume	Price
RA0295-C.1	0.1 ml	\$75.00
RA0295-C.5	0.5 ml	\$239.00

TAG-72 (Tumor-Associated Glycoprotein); Clone B72.3 & CA72/733 (Concentrate)

Species: Mouse
 Immunogen: TAG-72 protein (B72.3 & CA72/733)
 Clone: B72.3 & CA72/733
 Isotype: IgG1, kappa (B72.3 & CA72/733)
 Species Reactivity: Human, Cow, Dog, and Rat. Others not known.
 Positive Control: Jurkat cells, breast or lung carcinoma.
 Specificity: Recognizes an oncofetal antigen of 220kDa, identified as a tumor-associated glycoprotein (TAG-72) with properties of a mucin. This antibody defines the mucin-carried sialylated-Tn epitope. TAG-72 is usually expressed by adenocarcinomas, but is negative in mesotheliomas. Studies have reported that this antibody has 80% sensitivity and 93% specificity for pulmonary adenocarcinoma. Therefore, TAG-72 is a useful marker to distinguish between mesothelioma and adenocarcinoma. However, false positive reactions can occur, so results must be interpreted with the utmost degree of caution.
 Status: RUO

Catalog Number	Volume	Price
RA0370-C.1	0.1 ml	\$75.00
RA0370-C.5	0.5 ml	\$239.00

TAG-72 (Tumor-Associated Glycoprotein); Clone B72.3 & CC49 (Concentrate)

Species: Mouse
 Immunogen: TAG-72 protein (B72.3 & CC49)
 Clone: B72.3 & CC49
 Isotype: IgG1, kappa (B72.3 & CC49)
 Species Reactivity: Human, Cow, Dog, and Rat. Others not known.
 Positive Control: Jurkat cells, breast or lung carcinoma.
 Specificity: Recognizes an oncofetal antigen of 220kDa, identified as a tumor-associated glycoprotein (TAG-72) with properties of a mucin. This antibody defines the mucin-carried sialylated-Tn epitope. TAG-72 is usually expressed by adenocarcinomas, but is negative in mesotheliomas. Studies have reported that this antibody has 80% sensitivity and 93% specificity for pulmonary adenocarcinoma. Therefore, TAG-72 is a useful marker to distinguish between mesothelioma and adenocarcinoma. However, false positive reactions can occur, so results must be interpreted with the utmost degree of caution.
 Status: RUO

Catalog Number	Volume	Price
RA0371-C.1	0.1 ml	\$75.00
RA0371-C.5	0.5 ml	\$239.00

TAG-72 (Tumor-Associated Glycoprotein); Clone B72.3 (Concentrate)

Species: Mouse
 Immunogen: Membrane-enriched fraction of a human breast carcinoma liver metastasis
 Clone: B72.3
 Isotype: IgG1, kappa
 Species Reactivity: Human, Cow, Dog, Hamster, and Rat. Others not known.
 Positive Control: Jurkat cells, breast or lung carcinoma.
 Specificity: Recognizes an oncofetal antigen of 220kDa, identified as a tumor-associated glycoprotein (TAG-72) with properties of a mucin. This antibody defines the mucin-carried sialylated-Tn epitope. TAG-72 is usually expressed by adenocarcinomas, but is negative in mesotheliomas. Studies have reported that this antibody has 80% sensitivity and 93% specificity for pulmonary adenocarcinoma. Therefore, TAG-72 is a useful marker to distinguish between mesothelioma and adenocarcinoma. However, false positive reactions can occur, so results must be interpreted with the utmost degree of caution.
 Status: RUO

Catalog Number	Volume	Price
RA0367-C.1	0.1 ml	\$75.00
RA0367-C.5	0.5 ml	\$239.00

TAG-72 (Tumor-Associated Glycoprotein); Clone CA72/733 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human TAG-72 protein
 Clone: CA72/733
 Isotype: IgG1, kappa
 Species Reactivity: Human, Cow, Dog, and Rat. Others not known.

Positive Control: Jurkat cells, breast or lung carcinoma.
 Specificity: Recognizes an oncofetal antigen of 220kDa, identified as a tumor-associated glycoprotein (TAG-72) with properties of a mucin. This antibody defines the mucin-carried sialylated-Tn epitope. TAG-72 is usually expressed by adenocarcinomas, but is negative in mesotheliomas. Studies have reported that this antibody has 80% sensitivity and 93% specificity for pulmonary adenocarcinoma. Therefore, TAG-72 is a useful marker to distinguish between mesothelioma and adenocarcinoma. However, false positive reactions can occur, so results must be interpreted with the utmost degree of caution.
 Status: RUO

Catalog Number	Volume	Price
RA0369-C.1	0.1 ml	\$75.00
RA0369-C.5	0.5 ml	\$239.00

TAG-72 (Tumor-Associated Glycoprotein); Clone CC49 (Concentrate)

Species: Mouse
 Immunogen: Purified TAG-72 protein
 Clone: CC49
 Isotype: IgG1, kappa
 Species Reactivity: Human, Cow, Dog, and Rat. Others not known.

Positive Control: Jurkat cells, breast or lung carcinoma.
 Specificity: Recognizes an oncofetal antigen of 220kDa, identified as a tumor-associated glycoprotein (TAG-72) with properties of a mucin. This antibody defines the mucin-carried sialylated-Tn epitope. TAG-72 is usually expressed by adenocarcinomas, but is negative in mesotheliomas. Studies have reported that this antibody has 80% sensitivity and 93% specificity for pulmonary adenocarcinoma. Therefore, TAG-72 is a useful marker to distinguish between mesothelioma and adenocarcinoma. However, false positive reactions can occur, so results must be interpreted with the utmost degree of caution.
 Status: RUO

Catalog Number	Volume	Price
RA0368-C.1	0.1 ml	\$75.00
RA0368-C.5	0.5 ml	\$239.00

Tenascin C (Stromal Marker For Epithelial Malignancy); Clone T2H5 (Concentrate)

Species: Mouse
 Immunogen: Human breast carcinoma
 Clone: T2H5
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Extracellular matrix in tonsil and blood vessels. Stroma of many tumors such as breast, squamous cell, and lung carcinomas. Staining of normal fibroblasts serves as internal positive control.
 Specificity: In Western blotting, it reacts with two bands at ~MW of 210kDa and 300kDa, identified as two isoforms of Tenascin C. Specificity of this monoclonal antibody is validated by sequential immunoprecipitation with a polyclonal antibody against Tenascin C.
 Status: RUO

Catalog Number	Volume	Price
RA0135-C.1	0.1 ml	\$75.00
RA0135-C.5	0.5 ml	\$189.00

TGF-alpha (Transforming Growth Factor alpha); Clone 1E8-G6 (Concentrate)

Species: Mouse
 Immunogen: A 10-amino acid synthetic peptide (aa 34-43) from human TGF α .
 Clone: 1E8-G6
 Isotype: IgG1, kappa
 Species Reactivity: Human, Rabbit, and Zebrafish. Others not known.

Positive Control: Jurkat or Ramos cells. Heart, kidney, pituitary, breast cancer, melanoma.
 Specificity: This antibody reacts with TGF-alpha and shows no cross-reaction with EGF or the neuropeptide synenkephalin. The staining with this antibody is completely blocked by the peptide used for raising the antibody.
 Status: RUO

Catalog Number	Volume	Price
RA0305-C.1	0.1 ml	\$75.00
RA0305-C.5	0.5 ml	\$239.00

TGF-alpha (Transforming Growth Factor alpha); Clone P/T1 (Concentrate)

Species: Mouse
 Immunogen: A 10-amino acid synthetic peptide (aa 34-43) from human TGF α .
 Clone: P/T1
 Isotype: IgG1, kappa
 Species Reactivity: Human, Rabbit, and Zebrafish. Others not known.

Positive Control: Jurkat or Ramos cells. Heart, kidney, pituitary, breast cancer, melanoma.
 Specificity: This antibody reacts with TGF-alpha and shows no cross-reaction with EGF or the neuropeptide synenkephalin. The staining with this antibody is completely blocked by the peptide used for raising the antibody.
 Status: RUO

Catalog Number	Volume	Price
RA0307-C.1	0.1 ml	\$75.00
RA0307-C.5	0.5 ml	\$239.00

TGF-alpha (Transforming Growth Factor alpha); Clone TG86 & P/T1 (Concentrate)

Species: Mouse
 Immunogen: A 10-amino acid synthetic peptide (aa 34-43) from human TGF α (TG86 & P/T1).
 Clone: TG86 & P/T1
 Isotype: IgG1, kappa (TG86 & P/T1)
 Species Reactivity: Human, Rabbit, and Zebrafish. Others not known.
 Positive Control: Jurkat or Ramos cells. Heart, kidney, pituitary, breast cancer, melanoma.
 Specificity: This antibody reacts with TGF-alpha and shows no cross-reaction with EGF or the neuropeptide synenkephalin. The staining with this antibody is completely blocked by the peptide used for raising the antibody.
 Status: RUO

Catalog Number	Volume	Price
RA0308-C.1	0.1 ml	\$75.00
RA0308-C.5	0.5 ml	\$239.00

TGF-alpha (Transforming Growth Factor alpha); Clone TG86 (Concentrate)

Species: Mouse
 Immunogen: A 10-amino acid synthetic peptide (aa 34-43) from human TGF α .
 Clone: TG86
 Isotype: IgG1, kappa
 Species Reactivity: Human, Rabbit, and Zebrafish. Others not known.
 Positive Control: Jurkat or Ramos cells. Heart, kidney, pituitary, breast cancer, melanoma.
 Specificity: This antibody reacts with TGF-alpha and shows no cross-reaction with EGF or the neuropeptide synenkephalin. The staining with this antibody is completely blocked by the peptide used for raising the antibody.
 Status: RUO

Catalog Number	Volume	Price
RA0306-C.1	0.1 ml	\$75.00
RA0306-C.5	0.5 ml	\$239.00

Thymidylate Synthase (5-FU Resistance Marker); Clone TMS715 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human thymidylate synthase
 Clone: TMS715
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: 5-FU-resistant colon carcinoma cell lines (NCI H630R10, NCI H630R1), 5-FU-resistant breast cancer cell lines, MCF-Ad5 and MCF-Ad10. Colorectal, gastric, head & neck, and breast carcinomas.
 Specificity: This antibody recognizes a protein of 36kDa, identified as Thymidylate Synthase (TS) (EC 2.1.1.45).
 Status: RUO

Catalog Number	Volume	Price
RA0327-C.1	0.1 ml	\$75.00
RA0327-C.5	0.5 ml	\$239.00

Thymidylate Synthase (5-FU Resistance Marker); Clone TS106 & TMS715 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human thymidylate synthase (TS106 & TMS715)
 Clone: TS106 & TMS715
 Isotype: IgG1, kappa (TS106 & TMS715)
 Species Reactivity: Human. Others not known.
 Positive Control: 5-FU-resistant colon carcinoma cell lines (NCI H630R10, NCI H630R1), 5-FU-resistant breast cancer cell lines, MCF-Ad5 and MCF-Ad10. Colorectal, gastric, head & neck, and breast carcinomas.
 Specificity: This antibody recognizes a protein of 36kDa, identified as Thymidylate Synthase (TS) (EC 2.1.1.45).
 Status: RUO

Catalog Number	Volume	Price
RA0328-C.1	0.1 ml	\$75.00
RA0328-C.5	0.5 ml	\$239.00

Thymidylate Synthase (5-FU Resistance Marker); Clone TS106 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human thymidylate synthase
 Clone: TS106
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: 5-FU-resistant colon carcinoma cell lines (NCI H630R10, NCI H630R1), 5-FU-resistant breast cancer cell lines, MCF-Ad5 and MCF-Ad10. Colorectal, gastric, head & neck, and breast carcinomas.
 Specificity: This antibody recognizes a protein of 36kDa, identified as Thymidylate Synthase (TS) (EC 2.1.1.45).
 Status: RUO

Catalog Number	Volume	Price
RA0326-C.1	0.1 ml	\$75.00
RA0326-C.5	0.5 ml	\$239.00

Thyroglobulin (Thyroidal Cell Marker); Clone 2H11 & 6E1 (Concentrate)

Species: Mouse
 Immunogen: Human thyroid follicular cells (2H11 & 6E1)
 Clone: 2H11 & 6E1
 Isotype: IgG1, kappa (2H11 & 6E1)
 Species Reactivity: Human, Mouse, Rat. Others not known.
 Positive Control: Thyroid
 Specificity: The vast majority of follicular carcinomas of the thyroid will give positive immunoreactivity for anti-thyroglobulin even though sometimes only focally. Poorly differentiated carcinomas of the thyroid are frequently anti-thyroglobulin negative. Adenocarcinomas of an origin other than the thyroid do not react with this antibody.
 Status: RUO

Catalog Number	Volume	Price
RA0303-C.1	0.1 ml	\$75.00
RA0303-C.5	0.5 ml	\$239.00

Thyroglobulin (Thyroidal Cell Marker); Clone 2H11 (Concentrate)

Species: Mouse
 Immunogen: Human thyroid follicular cells
 Clone: 2H11
 Isotype: IgG1, kappa
 Species Reactivity: Human, Mouse, Rat. Others not known.
 Positive Control: Thyroid
 Specificity: The vast majority of follicular carcinomas of the thyroid will give positive immunoreactivity for anti-thyroglobulin even though sometimes only focally. Poorly differentiated carcinomas of the thyroid are frequently anti-thyroglobulin negative. Adenocarcinomas of an origin other than the thyroid do not react with this antibody.
 Status: RUO

Catalog Number	Volume	Price
RA0301-C.1	0.1 ml	\$75.00
RA0301-C.5	0.5 ml	\$239.00

Thyroglobulin (Thyroidal Cell Marker); Clone 6E1 (Concentrate)

Species: Mouse
 Immunogen: Human thyroid follicular cells
 Clone: 6E1
 Isotype: IgG1, kappa
 Species Reactivity: Human, Mouse, Rat. Others not known.
 Positive Control: Thyroid
 Specificity: The vast majority of follicular carcinomas of the thyroid will give positive immunoreactivity for anti-thyroglobulin even though sometimes only focally. Poorly differentiated carcinomas of the thyroid are frequently anti-thyroglobulin negative. Adenocarcinomas of an origin other than the thyroid do not react with this antibody.
 Status: RUO

Catalog Number	Volume	Price
RA0302-C.1	0.1 ml	\$75.00
RA0302-C.5	0.5 ml	\$239.00

Thyroglobulin (Thyroidal Cell Marker); Clone TGB04 & TGB05 (Concentrate)

Species: Mouse
 Immunogen: Human thyroid follicular cells (TGB04 & TGB05)
 Clone: TGB04 & TGB05
 Isotype: IgG1, kappa (TGB04 & TGB05)
 Species Reactivity: Human, Mouse, Rat. Others not known.
 Positive Control: Thyroid
 Specificity: The vast majority of follicular carcinomas of the thyroid will give positive immunoreactivity for anti-thyroglobulin even though sometimes only focally. Poorly differentiated carcinomas of the thyroid are frequently anti-thyroglobulin negative. Adenocarcinomas of an origin other than the thyroid do not react with this antibody.
 Status: RUO

Catalog Number	Volume	Price
RA0304-C.1	0.1 ml	\$75.00
RA0304-C.5	0.5 ml	\$239.00

TNF-alpha (Tumor Necrosis Factor alpha); Clone 4C6-H8 (Concentrate)

Species: Mouse
 Immunogen: A hexadecapeptide corresponding to amino acids 115-130 of human TNF-alpha, conjugated to thyroglobulin.
 Clone: 4C6-H8
 Isotype: IgM, kappa
 Species Reactivity: Human, Mouse, Rat, Rabbit, Cat, Dog, and Zebrafish. Others not known.
 Positive Control: HeLa, HL-60, or A431 cells. Macrophages in lymph node or tonsil.
 Specificity: This antibody reacts with Tumor necrosis factor-alpha. It reacts on paraffin sections with macrophages in which the cytoplasm is stained. Some keratinocytes are also positive (tonsils).
 Status: RUO

Catalog Number	Volume	Price
RA0314-C.1	0.1 ml	\$75.00
RA0314-C.5	0.5 ml	\$189.00

TNF-alpha (Tumor Necrosis Factor alpha); Clone P/T2 (Concentrate)

Species: Mouse
 Immunogen: A hexadecapeptide corresponding to amino acids 115-130 of human TNF-alpha, conjugated to thyroglobulin.
 Clone: P/T2
 Isotype: IgM, kappa
 Species Reactivity: Human, Mouse, Rat, Rabbit, Cat, Dog, and Zebrafish. Others not known.
 Positive Control: HeLa, HL-60, or A431 cells. Macrophages in lymph node or tonsil.
 Specificity: This antibody reacts with Tumor necrosis factor-alpha. It reacts on paraffin sections with macrophages in which the cytoplasm is stained. Some keratinocytes are also positive (tonsils).
 Status: RUO

Catalog Number	Volume	Price
RA0315-C.1	0.1 ml	\$75.00
RA0315-C.5	0.5 ml	\$189.00

TNF-alpha (Tumor Necrosis Factor alpha); Clone TNF706 & P/T2 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human TNF-alpha
 Clone: TNF706 & P/T2
 Isotype: IgM, kappa (TNF706 & P/T2)
 Species Reactivity: Human, Mouse, Rat, Rabbit, Cat, Dog, and Zebrafish. Others not known.
 Positive Control: HeLa, HL-60, or A431 cells. Macrophages in lymph node or tonsil.
 Specificity: This antibody reacts with Tumor necrosis factor-alpha. It reacts on paraffin sections with macrophages in which the cytoplasm is stained. Some keratinocytes are also positive (tonsils).
 Status: RUO

Catalog Number	Volume	Price
RA0317-C.1	0.1 ml	\$75.00
RA0317-C.5	0.5 ml	\$239.00

TNF-alpha (Tumor Necrosis Factor alpha); Clone TNF706 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human TNF-alpha
 Clone: TNF706
 Isotype: IgM, kappa
 Species Reactivity: Human, Mouse, Rat, Rabbit, Cat, Dog, and Zebrafish. Others not known.
 Positive Control: HeLa, HL-60, or A431 cells. Macrophages in lymph node or tonsil.
 Specificity: This antibody reacts with Tumor necrosis factor-alpha. It reacts on paraffin sections with macrophages in which the cytoplasm is stained. Some keratinocytes are also positive (tonsils).
 Status: RUO

Catalog Number	Volume	Price
RA0316-C.1	0.1 ml	\$75.00
RA0316-C.5	0.5 ml	\$239.00

TRAcP (Tartrate-Resistant Acid Phosphatase); Clone ACP5/1070 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human ACP5 protein
 Clone: ACP5/1070
 Isotype: IgG2b, kappa
 Species Reactivity: Human, Mouse, and Rat. Others not known.
 Positive Control: HepG2, 293T, K562 or RPMI-8226 Cells. Spleen from Hairy Cell Leukemia (HCL) patient.
 Specificity: This antibody recognizes a protein of 35kDa, which is identified as tartrate-resistant acid phosphatase (TRAcP). It exists as two isoforms (5a and 5b). This antibody reacts with both the isoforms. The anti-TRAcP antibody labels the cells of Hairy Cell Leukemia (HCL) with a high degree of sensitivity and specificity. Other cells stained with this antibody are tissue macrophages and osteoclasts.
 Status: RUO

Catalog Number	Volume	Price
RA0422-C.5	0.5 ml	\$239.00

TTF-1 / NKX2.1 (Thyroid & Lung Epithelial Marker); Clone 8G7G3/1 & NX2.1/690 (Concentrate)

Species: Mouse
 Immunogen: Recombinant full length Rat TTF-1 protein (8G7G3/1); Recombinant TTF-1 protein (NX2.1/690)
 Clone: 8G7G3/1 & NX2.1/690
 Isotype: IgG1, kappa (8G7G3/1 & NX2.1/690)
 Species Reactivity: Human, Mouse, and Rat. Others not known.
 Positive Control: MAD109, MLE-15, H441-4, or H345 cells. Normal thyroid or lung.
 Specificity: Recognizes a protein of 40kDa, identified as thyroid transcription factor 1 (TTF-1).
 Status: RUO

Catalog Number	Volume	Price
RA0313-C.1	0.1 ml	\$75.00
RA0313-C.5	0.5 ml	\$239.00

TTF-1 / NKX2.1 (Thyroid & Lung Epithelial Marker); Clone 8G7G3/1 (Concentrate)

Species: Mouse
 Immunogen: Recombinant full length Rat TTF-1 protein
 Clone: 8G7G3/1
 Isotype: IgG1, kappa
 Species Reactivity: Human, Mouse, and Rat. Shows a broad species reactivity.
 Positive Control: MAD109, MLE-15, H441-4, or H345 cells. Normal thyroid or lung.
 Specificity: Recognizes a protein of 40kDa, identified as thyroid transcription factor 1 (TTF-1).
 Status: RUO

Catalog Number	Volume	Price
RA0310-C.1	0.1 ml	\$75.00
RA0310-C.5	0.5 ml	\$239.00

TTF-1 / NKX2.1 (Thyroid & Lung Epithelial Marker); Clone NX2.1/690 (Concentrate)

Species: Mouse
 Immunogen: Recombinant TTF-1 protein
 Clone: NX2.1/690
 Isotype: IgG1, kappa
 Species Reactivity: Human, Mouse, and Rat. Others not known.
 Positive Control: MAD109, MLE-15, H441-4, or H345 cells. Normal thyroid or lung.
 Specificity: Recognizes a protein of 40kDa, identified as thyroid transcription factor 1 (TTF-1).
 Status: RUO

Catalog Number	Volume	Price
RA0312-C.1	0.1 ml	\$75.00
RA0312-C.5	0.5 ml	\$239.00

Tubulin-alpha (Microtubule Marker); Clone TU-02 (Concentrate)

Species: Mouse
 Immunogen: Full length native protein corresponding to Pig alpha-tubulin
 Clone: TU-02
 Isotype: IgM, kappa
 Species Reactivity: Human, Pig, Mouse, and Rat. Others not known.
 Positive Control: A431, HeLa or NIH/3T3 cells. Colon tissue.
 Specificity: This antibody recognizes an epitope on the N-terminal structural domain of alpha-tubulin.
 Status: RUO

Catalog Number	Volume	Price
RA0324-C.1	0.1 ml	\$75.00
RA0324-C.5	0.5 ml	\$239.00

Tubulin-alpha (Microtubule Marker); Clone TU-16 (Concentrate)

Species: Mouse
 Immunogen: Full length native protein corresponding to Pig alpha-tubulin.
 Clone: TU-16
 Isotype: IgM, kappa
 Species Reactivity: Human, Pig, Cow, Mouse, Rat, Hamster, Chicken, and many others.
 Positive Control: A431, HeLa, Raji, or NIH/3T3 cells. Colon tissue.
 Specificity: This antibody recognizes an epitope of alpha-tubulin.
 Status: RUO

Catalog Number	Volume	Price
RA0325-C.1	0.1 ml	\$75.00
RA0325-C.5	0.5 ml	\$239.00

Tumor Endothelial Marker 8 (TEM8) / Anthrax Toxin Receptor 1; Clone TEM8/589 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human TEM8 protein
 Clone: TEM8/589
 Isotype: IgG1, kappa
 Species Reactivity: Human, Non-human Primates, Dog, and Rabbit. Others not known.
 Positive Control: P23 cells. Colon or breast carcinoma.
 Specificity: This antibody recognizes a protein of ~63kDa, identified as Tumor Endothelial Marker 8 (TEM8).
 Status: RUO

Catalog Number	Volume	Price
RA0365-C.1	0.1 ml	\$75.00
RA0365-C.5	0.5 ml	\$239.00

Tyrosinase (Melanoma Marker); Clone OCA1/812 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human tyrosinase protein
 Clone: OCA1/812
 Isotype: IgG2a, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: SK-MEL-13, SK-MEL-19, SK-MEL-30, SK-MEL-37 cells or Melanoma.
 Specificity: Recognizes a cluster of proteins between 70-80kDa, identified as tyrosinase. Occasionally, a minor band at 55kDa is also detected. This antibody shows no cross-reaction with MAGE-1 and tyrosinase-related protein 1, TRP-1/gp75.
 Status: RUO

Catalog Number	Volume	Price
RA0330-C.1	0.1 ml	\$75.00
RA0330-C.5	0.5 ml	\$239.00

Tyrosinase (Melanoma Marker); Clone T311 & OCA1/812 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human tyrosinase protein (T311 & OCA1/812)
 Clone: T311 & OCA1/812
 Isotype: IgG2a, kappa (T311 & OCA1/812)
 Species Reactivity: Human. Others not known.
 Positive Control: SK-MEL-13, SK-MEL-19, SK-MEL-30, SK-MEL-37 cells or Melanoma.
 Specificity: Recognizes a cluster of proteins between 70-80kDa, identified as tyrosinase. Occasionally, a minor band at 55kDa is also detected. This antibody shows no cross-reaction with MAGE-1 and tyrosinase-related protein 1, TRP-1/gp75.
 Status: RUO

Catalog Number	Volume	Price
RA0331-C.1	0.1 ml	\$75.00
RA0331-C.5	0.5 ml	\$239.00

Tyrosinase (Melanoma Marker); Clone T311 (Concentrate)

Species: Mouse
 Immunogen: Recombinant tyrosinase protein
 Clone: T311
 Isotype: IgG2a, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: SK-MEL-13, SK-MEL-19, SK-MEL-30, SK-MEL-37 cells or Melanoma.
 Specificity: Recognizes a cluster of proteins between 70-80kDa, identified as tyrosinase. Occasionally, a minor band at 55kDa is also detected. This antibody shows no cross-reaction with MAGE-1 and tyrosinase-related protein 1, TRP-1/gp75.
 Status: RUO

Catalog Number	Volume	Price
RA0329-C.1	0.1 ml	\$75.00
RA0329-C.5	0.5 ml	\$239.00

Vimentin (Mesenchymal Cell Marker); Clone LN6 (Concentrate)

Species: Mouse
 Immunogen: Human thymic nuclear extract
 Clone: LN6
 Isotype: IgM
 Species Reactivity: Human, Cat, Cow, Pig, Rat, Rabbit, Mouse, and Sheep. Others not known.
 Positive Control: Jurkat cells, Sarcomas, Melanomas.
 Specificity: This antibody reacts with a 58kDa protein identified as vimentin. It reacts with a non-hematopoietic epitope of vimentin and shows no cross-reaction with other closely related intermediate filament proteins (IFP's) such as desmin, keratin, neurofilament, and glial fibrillary acid protein.
 Status: RUO

Catalog Number	Volume	Price
RA0338-C.1	0.1 ml	\$75.00
RA0338-C.5	0.5 ml	\$189.00

Vimentin (Mesenchymal Cell Marker); Clone VM452 (Concentrate)

Species: Mouse
 Immunogen: Human vimentin recombinant protein
 Clone: VM452
 Isotype: IgG1
 Species Reactivity: Human, Cow, Dog, Cat, Pig, Goat and Chicken. Does not react with Mouse and Rat. Others not known.
 Positive Control: Jurkat cells, Sarcomas, Melanomas.
 Specificity: This antibody reacts with a 58kDa protein identified as vimentin. It shows no cross-reaction with other closely related intermediate filament proteins (IFP's) such as desmin, keratin, neurofilament, and glial fibrillary acid protein.
 Status: RUO

Catalog Number	Volume	Price
RA0337-C.1	0.1 ml	\$75.00
RA0337-C.5	0.5 ml	\$239.00

von Willebrand Factor / Factor VIII Related-Ag (Endothelial Marker); Clone 3E2D10 & VWF635 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human vWF fragment (3E2D10 & VWF635).
 Clone: 3E2D10 & VWF635
 Isotype: IgG1, kappa (3E2D10 & VWF635)
 Species Reactivity: Human. Others not known.
 Positive Control: HUVEC or Tonsil.
 Specificity: This antibody helps to establish the endothelial nature of some lesions of disputed histogenesis, e.g. Kaposi's sarcoma and cardiac myxoma. It is widely used for differentiating vascular lesions from those of other tissue differentiation within a panel of other vascular markers, although not all tumors of endothelial differentiation contain this antigen.
 Status: RUO

Catalog Number	Volume	Price
RA0341-C.1	0.1 ml	\$75.00
RA0341-C.5	0.5 ml	\$239.00

von Willebrand Factor / Factor VIII Related-Ag (Endothelial Marker); Clone 3E2D10 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human vWF fragment spanning aa 845-949.
 Clone: 3E2D10
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: HUVEC or Tonsil.
 Specificity: This antibody helps to establish the endothelial nature of some lesions of disputed histogenesis, e.g. Kaposi's sarcoma and cardiac myxoma. It is widely used for differentiating vascular lesions from those of other tissue differentiation within a panel of other vascular markers, although not all tumors of endothelial differentiation contain this antigen.
 Status: RUO

Catalog Number	Volume	Price
RA0339-C.1	0.1 ml	\$75.00
RA0339-C.5	0.5 ml	\$239.00

von Willebrand Factor / Factor VIII Related-Ag (Endothelial Marker); Clone IIIE2.34 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human vWF fragment spanning aa 845-949
 Clone: IIIE2.34
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: HUVEC or Tonsil.
 Specificity: This antibody helps to establish the endothelial nature of some lesions of disputed histogenesis, e.g. Kaposi's sarcoma and cardiac myxoma. It is widely used for differentiating vascular lesions from those of other tissue differentiation within a panel of other vascular markers, although not all tumors of endothelial differentiation contain this antigen.
 Status: RUO

Catalog Number	Volume	Price
RA0342-C.1	0.1 ml	\$75.00
RA0342-C.5	0.5 ml	\$239.00

von Willebrand Factor / Factor VIII Related-Ag (Endothelial Marker); Clone VWF635 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human vWF fragment.
 Clone: VWF635
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: HUVEC or Tonsil.
 Specificity: This antibody helps to establish the endothelial nature of some lesions of disputed histogenesis, e.g. Kaposi's sarcoma and cardiac myxoma. It is widely used for differentiating vascular lesions from those of other tissue differentiation within a panel of other vascular markers, although not all tumors of endothelial differentiation contain this antigen.
 Status: RUO

Catalog Number	Volume	Price
RA0340-C.1	0.1 ml	\$75.00
RA0340-C.5	0.5 ml	\$239.00

Wilm's Tumor 1 (WT1) (Wilm's Tumor & Mesothelial Marker); Clone 6F-H2 (Concentrate)

Species: Mouse
 Immunogen: Recombinant protein corresponding to residues 1-181 of human WT1.
 Clone: 6F-H2
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: K562 cells, Wilm's Tumor, or fetal kidney.
 Specificity: Recognizes a 47-55kDa tumor suppressor protein, identified as Wilm's Tumor (WT1) protein. This antibody reacts with all isoforms of the full-length WT1 and also identifies WT1 lacking exon 2-encoded amino acids, frequently found in subsets of sporadic Wilm's tumors.
 Status: RUO

Catalog Number	Volume	Price
RA0343-C.1	0.1 ml	\$75.00
RA0343-C.5	0.5 ml	\$239.00

Wilm's Tumor 1 (WT1) (Wilm's Tumor & Mesothelial Marker); Clone WMT/857 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human WT1 protein
 Clone: WMT/857
 Isotype: IgG1, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: K562 cells, Wilm's Tumor, or fetal kidney.
 Specificity: Recognizes a 47-55kDa tumor suppressor protein, identified as Wilm's Tumor (WT1) protein. This antibody reacts with all isoforms of the full-length WT1 and also identifies WT1 lacking exon 2-encoded amino acids, frequently found in subsets of sporadic Wilm's tumors.
 Status: RUO

Catalog Number	Volume	Price
RA0344-C.1	0.1 ml	\$75.00
RA0344-C.5	0.5 ml	\$239.00

ZAP-70 [Zeta-chain (TCR) Associated Protein Kinase 70kDa]; Clone 2F3.2 (Concentrate)

Species: Mouse
 Immunogen: Recombinant ZAP-70 protein including residues 1-254 and encompassing the SH2 domains of human ZAP-70.
 Clone: 2F3.2
 Isotype: IgG2a, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: Jurkat cells. Tonsil or lymph node.
 Specificity: Recognizes human ZAP-70; does not recognize murine ZAP-70.
 Status: RUO

Catalog Number	Volume	Price
RA0345-C.1	0.1 ml	\$75.00
RA0345-C.5	0.5 ml	\$239.00

Polyclonal Concentrate

AMACR / p504S (Prostate Cancer Marker); Rabbit Polyclonal (Concentrate)

Species: Rabbit
 Immunogen: A synthetic peptide from human AMACR protein
 Clone: Rabbit Polyclonal
 Isotype: IgG
 Species Reactivity: Human. Others not known.
 Positive Control: HEK cells or Prostate Adenocarcinoma.
 Specificity: This antibody recognizes a protein of 54kDa, which is identified as AMACR, also known as p504S.
 Status: RUO

Catalog Number	Volume	Price
RA0354-C.1	0.1 ml	\$75.00
RA0354-C.5	0.5 ml	\$239.00

beta-Catenin (p120); Rabbit Polyclonal (Concentrate)

Species: Rabbit
 Immunogen: A synthetic peptide from the middle of beta-Catenin (p120) protein
 Clone: Polyclonal
 Isotype: IgG
 Species Reactivity: Human and Mouse. Others not known.
 Positive Control: HeLa or MCF-7 cells. Breast carcinoma.
 Specificity: Immuno-staining of beta-catenin and E-cadherin is helpful in the accurate identification of ductal and lobular neoplasms, including a distinction between low-grade ductal carcinoma in situ (DCIS) and lobular carcinoma. Additionally, some rectal and gastric adenocarcinomas demonstrate diffuse cytoplasmic beta-catenin staining and a lack of membranous staining, mimicking the staining pattern observed with lobular breast carcinomas.
 Status: RUO

Catalog Number	Volume	Price
RA0104-C.1	0.1 ml	\$75.00
RA0104-C.5	0.5 ml	\$239.00

CD8A (Cytotoxic & Suppressor T-Cell Marker); Rabbit Polyclonal (Concentrate)

Species: Rabbit
 Immunogen: Human CD8 recombinant fragment corresponding to aa 200-250
 Clone: Polyclonal
 Isotype: IgG
 Species Reactivity: Human. Others not known.
 Positive Control: HuT78 or hPBL. Tonsil.
 Specificity: CD8 is a 68 kDa transmembrane glycoprotein expressed as a heterodimer by a majority of thymocytes, and by major histocompatibility complex (MHC) class I restricted, mature, suppressor/cytotoxic T-cells.
 Status: RUO

Catalog Number	Volume	Price
RA0044-C.1	0.1 ml	\$75.00
RA0044-C.5	0.5 ml	\$239.00

Helicobacter Pylori; Rabbit Polyclonal (Concentrate)

Species: Rabbit
 Immunogen: Total sonicate of Helicobacter pylori
 Clone: Rabbit Polyclonal
 Isotype: IgG
 Species Reactivity: Helicobacter pylori
 Positive Control: Helicobacter pylori infected stomach biopsy.
 Specificity: This antibody stains the individual H. pylori bacterium when it presents on the surface of the epithelium or in the cytoplasm of the epithelial cells in biopsy tissue sections from the antrum and body of the stomach.
 Status: RUO

Catalog Number	Volume	Price
RA0379-C.1	0.1 ml	\$75.00
RA0379-C.5	0.5 ml	\$239.00

Napsin A (Lung Adenocarcinoma Marker); Rabbit Polyclonal (Concentrate)

Species: Rabbit
 Immunogen: A synthetic peptide (RFDPKASSSFQANGTKFAIQYGT) of human Napsin-A.
 Clone: Rabbit Polyclonal
 Isotype: IgG
 Species Reactivity: Human. Others not known.
 Positive Control: Lung adenocarcinoma.
 Specificity: Immunohistochemical studies revealed high expression levels of napsin A in human lung and kidney, but low expression in spleen. Napsin A is expressed in type II pneumocytes and in adenocarcinomas of lung.
 Status: RUO

Catalog Number	Volume	Price
RA0348-C.1	0.1 ml	\$75.00
RA0348-C.5	0.5 ml	\$239.00

p40 (deltaNp63) (Squamous, Basal, or Myoepithelial Cell Marker); Rabbit Polyclonal (Concentrate)

Species: Rabbit
 Immunogen: A synthetic peptide (ENNAQTQFSEPPY) corresponding to aa 5-17 of human p40
 Clone: Rabbit Polyclonal
 Isotype: IgG
 Species Reactivity: Human, Mouse, Rat, and Cow. Others not known.
 Positive Control: HEK293 cells, Prostate Carcinoma, or Lung Squamous Cell Carcinoma.
 Specificity: p40 (p63 delta) is a marker recently determined to be highly specific for squamous basal cells in the immunohistochemistry (IHC) application.
 Status: RUO

Catalog Number	Volume	Price
RA0346-C.1	0.1 ml	\$75.00
RA0346-C.5	0.5 ml	\$239.00

TIMP-3 (Tissue Inhibitor of Metalloproteinase-3); Rabbit Polyclonal (Concentrate)

Species: Rabbit
 Immunogen: Recombinant fragment corresponding to Human TIMP3 aa 175-211
 Clone: Rabbit polyclonal
 Isotype: IgG
 Species Reactivity: Human, Mouse, Rat, Horse, Cow, and Dog. Others not known.
 Positive Control: Placenta or breast carcinoma.
 Specificity: The amino acid sequence (aa 175-211) used as the immunogen for anti-TIMP3 is 100% homologous in human, cow, dog and horse, and 94% homologous in mouse and rat.
 Status: RUO

Catalog Number	Volume	Price
RA0309-C.1	0.1 ml	\$75.00
RA0309-C.5	0.5 ml	\$239.00

Monoclonal Ready-to-Use**Actin, Alpha-Smooth Muscle; Clone 1A4 (Ready-To-Use)**

Species: Mouse Monoclonal
 Clone: 1A4
 Isotype: IgG2a,k
 Species Reactivity: Human, Baboon, Cow, Rabbit, Mouse, Rat, Chicken.
 Positive Control: Blood vessels

Specificity: This antibody recognizes the a-smooth muscle form of actin. It shows no cross reaction with actin from fibroblasts (b- and g-cytoplasmic), striated muscle (a-sarcomeric), and myocardium (a-myocardial). Its epitope is composed of the acetyl group and the first 4 amino acids on the N-terminal end of the peptidic chain of a-smooth actin. ScyTek's 1A4 stains smooth muscle cells in vessel walls, gut wall, and myometrium. Myoepithelial cells in breast and salivary gland are also stained as they also contain this actin.

Catalog Number	Volume	Price
A00002-0002	2 ml	\$40.25
A00002-0007	7 ml	\$77.05
A00002-0025	25 ml	\$318.55

Actin, Muscle Specific; Clone HHF35

Species: Mouse Monoclonal
 Clone: HHF35
 Isotype: IgG1, kappa
 MW: 42kD
 Species Reactivity: Human
 Positive Control: Skeletal or cardiac muscle.

Specificity: This antibody is specific to alpha and gamma specific actin isomers from skeletal, cardiac and smooth muscle but does not recognize beta and non-smooth muscle gamma actin isomers. In western blot, HHF35 detects a 42kD protein extract from skeletal muscle but not from epithelial cell lines.

Catalog Number	Volume	Price
A20001	2 ml Ready-to-use	\$71.30
A00001	6 ml Ready-to-use	\$143.75
A00001.0025	25 ml Ready-to-use	\$509.45

Actin, Pan; Clones 1A4 plus 5C5.F8.C7

Species: Mouse Monoclonal
 Clone: 1A4+5C5.F8.C7
 Isotype: IgG2ak (1A4) IgMk (5C5.F8.C7)
 Species Reactivity: Human
 Positive Control: Muscle or sarcoma
 Cellular Localization: Cytoplasmic

Specificity: Reacts with micro-smooth muscle as well as a-skeletal and a-cardiac (sarcomeric) isoform of actin.

Catalog Number	Volume	Price
A20067	2 ml	\$108.10
A00067	6 ml	\$217.35
A00067.0025	25 ml	\$761.30

Bcl-2 Oncoprotein; Clone 124

Species: Mouse Monoclonal
 Clone: 124
 Isotype: IgG1,kappa
 MW: 25 kD
 Species Reactivity: Human

Specificity: This antibody reacts with a 25 kD bcl protein, which lies within the cell rather than on the cell surface. It stains neoplastic cells of follicular lymphoma, hairy cell leukaemia, high grade B and T cell lymphomas, lymphoblastic lymphomas and anaplastic large cell lymphoma.

Catalog Number	Volume	Price
A20004	2 ml Ready-to-use	\$67.85
A00004	6 ml Ready-to-use	\$136.85
A00004.0025	25 ml Ready-to-use	\$478.40

Bcl-2; Clone 100/D5 (Ready-To-Use)

Species: Mouse
 Clone: 100/D5
 Isotype: Mouse IgG1, Kappa
 Species Reactivity: Human, Monkey. Others not tested.
 Positive Control Tonsil.

Cellular Localization: Cytoplasmic & Cell Membrane.
 Specificity: Human Bcl-2 alpha is a 239 amino acid (aa) protein and human Bcl-2 beta is a 205 aa protein. The 100/D5 antibody [also known as clone Bcl-2/100 (Kren, 2004, Kaur, 2004)] recognizes both Bcl-2 isoforms (Pezzela et al, 1990).

Catalog Number	Volume	Price
A00119-0002	2 ml	\$19.55
A00119-0007	7 ml	\$47.15
A00119-0025	25 ml	\$141.45

Bcl-6; Clone PG-B6p

Species: Mouse Monoclonal
 Clone: PG-B6p
 Isotype: IgG1, kappa
 Species Reactivity: Human, rabbit, rat, swine, calf, and lamb.
 Positive Control: Tonsil
 Cellular Localization: Nuclear

Specificity: In normal tonsil the antibody reacts with the nuclei of centroblasts and centrocytes in germinal centers. No reactivity is observed with other germinal center cells, e.g. plasma cells, macrophages, or follicular dendritic cells. Approximately 10% of germinal center T cells are stained with the antibody. The staining pattern of normal spleen B and T cell compartments are similar to that of tonsil. A faint nuclear staining is observed in squamous epithelia in the tonsil, thymus, and skin. In tumor cells the antibody shows strong nuclear labelling of Bcl-6 protein in follicular lymphomas, diffuse large B cell lymphomas, Bufkitt's lymphomas, and nodular, lymphocyte-predominant Hodgkin's disease.

Catalog Number	Volume	Price
A20077	2 ml	\$420.90
A00077	6 ml	\$842.95
A00077.0025	25 ml	\$2,950.90

CA15-3 (Ready-To-Use)

Species: Mouse Monoclonal
 Isotype: IgG1
 Species Reactivity: Human
 Positive Control: Human Breast

Specificity: Human Breast Tumor Antigen (CA15-3). No cross-reactivity with Human AFP, CEA, PAP, PSA, CA19-9, or CA125.

Catalog Number	Volume	Price
A00078-0002	2 ml	\$40.25
A00078-0007	7 ml	\$77.05
A00078-0025	25 ml	\$255.30

CA19-9; Clone 121SLE (Ready-To-Use)

Species: Mouse
 Clone: 121SLE
 Isotype: IgM, Kappa
 Species Reactivity: Human
 Cellular Localization: Luminal surface and cytoplasm.

Specificity: CA19-9, a carbohydrate epitope expressed on a high MW (>400kDa) mucin glycoprotein, is a sialyl Lewis structure which is synthesized from type 1 blood group precursor chains and is present in individuals expressing the Lewis and/or Lewisb blood group antigens. In normal tissues, sialyl Lewis antigen is present in ductal epithelium of the breast, kidney, salivary gland, and sweat glands. Its expression is greatly enhanced in serum as well as in the majority of tumor cells in gastrointestinal (GI) carcinomas, including adenocarcinomas of the stomach, intestine, and pancreas. Preoperative elevated CA19-9 levels in patients with stage I pancreatic carcinoma decrease to normal values following surgery. When used serially, CA19-9 can predict recurrence of disease prior to radiographic or clinical findings.

Catalog Number	Volume	Price
A00107-0002	2 ml	\$72.45
A00107-0007	7 ml	\$181.70
A00107-0025	25 ml	\$542.80

Carcinoembryonic Antigen, Pan (CEA); Clone COL-1 (Ready-To-Use)

Species: Mouse
 Immunogen: BALB/c mice were injected with an extract of human colon carcinoma.

Clone: COL-1
 Isotype: IgG1 Kappa
 Species Reactivity: Human. Others not tested.
 Positive Control: Colon Adenocarcinoma.

Specificity: This antibody labels the CEA-positive glycocalyx surface of gastrointestinal cells and is useful for the identification of colon carcinomas.

Catalog Number	Volume	Price
A00135-0002	2 ml	\$28.75
A00135-0007	7 ml	\$71.30
A00135-0025	25 ml	\$213.90

Cathepsin D; Clone C5

Species: Mouse Monoclonal
 Clone: C5
 Isotype: IgG2b
 Species Reactivity: Human
 Positive Control: Macrophages in breast carcinoma

Specificity: Cathepsin D is synthesized as a 54 kD precursor which is proteolytically processed to an intermediate 48 kD single chain which matures into more stable 34 kD and 14 kD two chain form.

Catalog Number	Volume	Price
A20046	2 ml Ready-to-use	\$97.75
A00046	6 ml Ready-to-use	\$195.50
A00046.0025	25 ml Ready-to-use	\$650.90

CD10, CALLA (Neutral Endopeptidase); Clone 56C6

Species: Mouse Monoclonal
 Clone: 56C6
 Isotype: IgG1
 MW: 100kD
 Species Reactivity: Human, rat.
 Positive Control: Small intestine or kidney.

Specificity: Recognizes a 100kDa glycoprotein, identified as CD10, also known as Common Acute Lymphocytic Leukemia Antigen (CALLA). It is a cell surface enzyme with neutral metalloendopeptidase activity which inactivates a variety of biologically active peptides. CD10 is expressed on the cells of lymphoblastic, Burkitt's, and follicular germinal center lymphomas, and on cells from patients with chronic myelocytic leukemia (CML). It is also expressed on the surface of normal early lymphoid progenitor cells, immature B cells within adult bone marrow and germinal center B cells within lymphoid tissue. CD10 is also present on breast myoepithelial cells, bile canaliculi, fibroblasts, with especially high expression on the brush border of kidney and gut epithelial cells.

Catalog Number	Volume	Price
A20091	2 ml Ready-to-use	\$151.80
A00091	6 ml Ready-to-use	\$305.90
A00091.0025	25 ml Ready-to-use	\$1,070.65

CD15; Clone Leu-M1 (Ready-To-Use)

Species: Mouse
 Immunogen: U937 histiocytic cell line
 Clone: Leu-M1 (same as MMA)
 Isotype: IgM, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: U937 cells, Reed-Sternberg's cells in Hodgkin's lymphoma.
 Specificity: This antibody reacts with a 220 kDa protein, CD15 / FUT4 expressed on Reed-Sternberg cells.

Catalog Number	Volume	Price
A00151-0002	2 ml	\$37.95
A00151-0007	7 ml	\$94.30
A00151-0025	25 ml	\$282.90

CD20, B-Cell; Clone L26 (Ready-To-Use)

Species: Mouse Monoclonal
 Clone: L26
 Isotype: IgG2a,k
 MW: 33 kD and 30 kD
 Species Reactivity: Human
 Positive Control: Tonsil

Specificity: This antibody is specific to a 33 kD polypeptide present on the majority of B cells in peripheral blood and lymphoid tissue and also with a minor component of 30 kD. No reactivity with other haematopoietic cells has been observed.

Catalog Number	Volume	Price
A00003-0002	2 ml Ready-to-use	\$48.30
A00003-0007	7 ml Ready-to-use	\$111.55
A00003-0025	25 ml Ready-to-use	\$303.60

CD23, B-Cell; Clone MHM6

Species: Mouse
 Clone: MHM6
 Isotype: IgG1, Kappa

Specificity: In lymphoid tissue, the antibody labels a variable proportion of mantle zone lymphocytes and a fraction of dendritic reticulum cells. In lymph nodes with progressive germinal centre transformation, the number and staining intensity of small follicular lymphocytes are increased. Essentially no staining is seen on splenic marginal zone lymphocytes.

The CD23 antigen is expressed on neoplastic cells from cases of B-Cell chronic lymphocytic leukemia and some cases of centroblastic/centrocytic lymphoma, but not in other types of lymphoid neoplasms.

Catalog Number	Volume	Price
A20081	2 ml	\$116.15
A00081	6 ml	\$231.15
A00081.0025	25 ml	\$800.40

CD30, Ki-1 Antigen; Clone Ber-H2 (Ready-To-Use)

Species: Mouse Monoclonal
 Clone: Ber-H2
 Isotype: IgG1,k
 MW: 105/120 kD
 Species Reactivity: Human. Does not react with baboon and monkey
 Positive Control: Hodgkin's lymphoma

Specificity: Recognizes a single chain glycoprotein of 105/120kDa, identified as CD30/Ki-1. CD30 is synthesized as a 90kDa precursor which is processed in the Golgi complex into a membrane-bound phosphorylated mature 105/120kDa glycoprotein. The CD30/Ki-1 antigen is expressed by mononuclear Hodgkin and multinucleated Reed-Sternberg cells in Hodgkin's disease, by the tumor cells of a majority of anaplastic large cell lymphomas, and by a varying proportion of activated T and B cells.

Catalog Number	Volume	Price
A00016-0002	2 ml Ready-to-use	\$77.05
A00016-0007	7 ml Ready-to-use	\$151.80
A00016-0025	25 ml Ready-to-use	\$508.30

CD31, Endothelial Cell; Clone JC/70A

Species: Mouse Monoclonal
 Clone: JC/70A
 Isotype: IgG1,k
 MW: 100 kD
 Species Reactivity: Human. Does not react with pig.
 Positive Control: Blood vessels in skin or intestine

Specificity: Recognizes a 100kDa glycoprotein in endothelial cells and 130kDa in platelets. This Mab reacts with endothelial cells in normal tissues and in benign and malignant proliferations. In Cryostat sections and blood smears the antibody also stains megakaryocytes, platelets and occasionally plasma cells. It reacts weakly with mantle zone B cells, peripheral T cells, and neutrophils.

Catalog Number	Volume	Price
A20009	2 ml Ready-to-use	\$119.60
A00009	6 ml Ready-to-use	\$239.20
A00009.0025	25 ml Ready-to-use	\$756.70

CD31; Clone C31.3 (Ready-To-Use)

Species: Mouse
 Clone: C31.3
 Isotype: Mouse IgG1, Kappa
 Species Reactivity: Human.
 Positive Control: Tonsil, Liver, Kidney.
 Specificity: The CD31 antibody (clone C31.3 or PECAM-1) is widely used as a pan-endothelial cell marker to demonstrate the presence of endothelial cells in tissue sections by immunohistochemistry. The CD31 (PECAM-1) antibody reacts with normal, benign, and malignant endothelium.

Catalog Number	Volume	Price
A00126-0002	2 ml	\$32.20
A00126-0007	7 ml	\$81.65
A00126-0025	25 ml	\$246.10

CD31; Clone C31.7 (Ready-To-Use)

Species: Mouse
 Clone: C31.7
 Isotype: IgG1, Kappa
 Species Reactivity: Human.
 Cellular Localization: Primarily membrane.
 Specificity: This antibody recognizes a 100kDa glycoprotein in endothelial cells and 130kDa in platelets. This antibody reacts with endothelial cells in normal tissues and in benign and malignant proliferations. In cryostat sections and blood smears the antibody also stains megakaryocytes, platelets and occasionally plasma cells. It reacts weakly with mantle zone B cells, peripheral T cells, and neutrophils. Antibody to CD31 is of value in the study of benign and malignant vascular tumors. Staining for CD31 has also been used to measure angiogenesis, which reportedly predicts tumor recurrence.

Catalog Number	Volume	Price
A00110-0002	2 ml	\$54.05
A00110-0007	7 ml	\$136.85
A00110-0025	25 ml	\$409.40

CD34, Endothelial Cell; Clone QBEnd/10

Species: Mouse Monoclonal
 Clone: QBEND-10
 Isotype: IgG1,k
 MW: 110 kD
 Species Reactivity: Human
 Positive Control: Normal human skin.

Specificity: This antibody reacts with a 110 kD glycoprotein, present on the surface of hematopoietic cells, i.e. myeloid and lymphoid progenitors. The antibody stains vascular endothelial cells.

Catalog Number	Volume	Price
A20070	2 ml Ready-to-use	\$82.80
A00070	6 ml Ready-to-use	\$167.90
A00070.0025	25 ml Ready-to-use	\$598.00

CD45, Leucocyte Common Antigen (LCA); Clones PD7/26 and 2B11

Species: Mouse Monoclonal
 Clone: PD7/26 and 2B11
 Isotype: IgG1,k
 MW: 180, 190,205 and 220 kD
 Species Reactivity: Human
 Positive Control: Tonsil

Specificity: The human leucocyte common antigen is a family of five or more high molecular weight glycoproteins of MW 180, 190, 205 and 220 kD, present on the surface of the majority of human leucocytes. This antibody labels lymphoid cells. The antibody labels neoplastic B and T cells in non-Hodgkin's lymphoma and in leukaemias of B and T cell types.

Catalog Number	Volume	Price
A20017	2 ml Ready-to-use	\$48.30
A00017	6 ml Ready-to-use	\$90.85
A00017.0025	25 ml Ready-to-use	\$374.90

CD45; Clone 2B11 (Ready-To-Use)

Species: Mouse
 Clone: 2B11
 Isotype: Mouse IgG1, Kappa
 Species Reactivity: Human.
 Positive Control: Tonsil.
 Specificity: This antibody is specific for hematopoietic cells, including basophils, granulocytes, lymphocytes, macrophages / histiocytes, mast cells, monocytes, plasma cells; NOT mature red blood cells and their immediate progenitors, platelets or megakaryocytes, Dendritic cells, medullary thymocytes.

Catalog Number	Volume	Price
A00129-0002	2 ml	\$63.25
A00129-0007	7 ml	\$155.25
A00129-0025	25 ml	\$466.90

CD45RA (LCA); Clone 158-4D3 (Ready-To-Use)

Species: Mouse
 Clone: 158-4D3
 Isotype: Mouse IgG2a, Kappa
 Species Reactivity: Human. Others not tested.
 Positive Control: Tonsil, Spleen.
 Specificity: The CD45RA 158-4D3 antibody clone reacts with the ABC and BC isoforms (Schlossman et al, 1995). CD45RA has a molecular weight of 205-220 kDa.

Catalog Number	Volume	Price
A00123-0002	2 ml	\$19.55
A00123-0007	7 ml	\$47.15
A00123-0025	25 ml	\$141.45

CD45RB; Clone PD7/26 (Ready-To-Use)

Species: Mouse
 Clone: PD7/26
 Isotype: Mouse IgG1
 Species Reactivity: Human.
 Positive Control: Tonsil.
 Specificity: This antibody is specific for hematopoietic cells, including basophils, granulocytes, lymphocytes, macrophages/histiocytes, mast cells, monocytes, plasma cells; NOT mature red blood cells and their immediate progenitors, platelets or megakaryocytes, dendritic cells, medullary thymocytes. CD45RB is highly expressed on memory B cells and plasmablasts but not on naive B cells, Langerhans cells and some T cells, B cells, monocytes, macrophages, granulocytes.

Catalog Number	Volume	Price
A00130-0002	2 ml	\$24.15
A00130-0007	7 ml	\$58.65
A00130-0025	25 ml	\$177.10

CD45RO, T-Cell; Clone UCHL1 (Ready-To-Use)

Species: Mouse Monoclonal
 Clone: UCHL1
 Isotype: IgG2a,k
 Species Reactivity: Human, Rhesus Monkey. Does not react with Rat.
 Positive Control: Tonsil or Lymph Node.

Specificity: This antibody reacts with a 180 kD glycoprotein of CD45 family, occurring on most thymocytes and activated T cells but only on the portion of the resting T cells. It reacts with most thymocytes, a subpopulation of resting cells within both the CD4 and CD8 subsets and mature activated T cells. This antibody shows no reactivity with normal B or natural killer cells, but reacts with granulocytes and monocytes. Though this antibody is useful to identify T-cell lymphomas and leukemia, rare staining with B cell lymphomas reported.

Catalog Number	Volume	Price
A00024-0002	2 ml	\$42.55
A00024-0007	7 ml	\$104.65
A00024-0025	25 ml	\$315.10

CD5 (Mantel Cell Lymphoma Marker); 4C7

Species: Mouse Monoclonal
 Clone: 4C7
 Isotype: IgG1
 Species Reactivity: Human

Specificity: This antibody recognizes a 67kD transmembrane protein, which is identified as CD5. The CD5 antigen is found on 95% of thymocytes and 72% of peripheral blood lymphocytes. In lymph nodes, the main reactivity is observed in T cells. CD5 is expressed by many T cell leukemia, lymphomas, and activated T cells. Occasionally, CD5 antigen is also expressed on a subset of B cells. Mantle cell lymphomas (same as diffuse centrocytic lymphomas) are CD5+ while the follicle center cell lymphoma are CD5-.

Catalog Number	Volume	Price
A20090	2 ml	\$146.05
A00090	6 ml Ready-to-use	\$288.65
A00090.0025	25 ml Ready-to-use	\$1,012.00
A00090.050	50 ml Ready-to-use	\$1,673.25

CD56; Clone 123C3 (Ready-To-Use)

Species: Mouse
 Clone: 123C3
 Isotype: Mouse IgG1, Kappa
 Species Reactivity: Human.
 Positive Control: Tonsil, Neuroblastoma, Pancreatic Islet cells.
 Specificity: This antibody recognizes two proteins (185kDa & 145kDa), identified as two isoforms of neural cell adhesion molecule (NCAM/CD56). It is used as a tumor marker in various cancers such as NK lymphomas and Merkel cell carcinoma. NCAM is expressed on most neuroectodermal derived lines, tissues, and neoplasms such as retinoblastoma, medulloblastoma, astrocytoma, and neuroblastoma. It is also expressed on some mesodermally derived tumors such as rhabdomyosarcoma and also on natural killer cells.

Catalog Number	Volume	Price
A00121-0002	2 ml	\$54.05
A00121-0007	7 ml	\$136.85
A00121-0025	25 ml	\$409.40

CD57 (HNK-1); Clone NK-1 (Ready-To-Use)

Species: Mouse
 Clone: NK-1
 Isotype: Mouse IgM, Kappa
 Species Reactivity: Human.
 Positive Control: Tonsil, spleen, lymph node.
 Specificity: The NK1 antibody clone recognizes the glycoepitope referred to as both CD57 and HNK1.

Catalog Number	Volume	Price
A00117-0002	2 ml	\$21.85
A00117-0007	7 ml	\$54.05
A00117-0025	25 ml	\$163.30

CD74; Clone LN2 (Ready-To-Use)

Species: Mouse
 Clone: LN2
 Isotype: IgG1,k
 MW: 35 kD
 Species Reactivity: Human

Specificity: This antibody reacts with 35 kD antigen present on the nuclear membrane protein related to the invariant chain of the HLA-Dr antigen. This antibody reacts with the germinal center and mantle zone B lymphocytes, interdigitating histiocytes in T cell zones and mononuclear cells and Reed-Sternberg cells in Hodgkin's disease.

Catalog Number	Volume	Price
A00048-0002	2 ml	\$40.25
A00048-0007	7 ml	\$77.05
A00048-0025	25 ml	\$255.30

CD75; Clone LN1

Species: Mouse Monoclonal
 Clone: LN1
 Isotype: IgM,k
 MW: 45-85 kD
 Species Reactivity: Human

Specificity: This antibody reacts with 45-85 kD antigen present on the B cells derived from the germinal center. It reacts with the epithelial cells of breast, prostate, kidney, pancreas and lung.

Catalog Number	Volume	Price
A20047	2 ml Ready-to-use	\$49.45
A00047	6 ml Ready-to-use	\$98.90
A00047.0025	25 ml Ready-to-use	\$349.60

CDX2; Clone EP25 (Ready-To-Use)

Species: Rabbit
 Immunogen: Rabbits were injected with a synthetic peptide corresponding to residues near the C-terminus of human CDX-2.
 Clone: EP25
 Isotype: Rabbit IgG
 Species Reactivity: Human
 Positive Control: Colon for normal tissue and colon adenocarcinoma for abnormal tissue.
 Specificity: CDX-2 expression is restricted to nuclear staining in positive cells.

Catalog Number	Volume	Price
A00147-0002	2 ml	\$101.20
A00147-0007	7 ml	\$251.85
A00147-0025	25 ml	\$755.55

c-erbB-2 Oncoprotein; Clone CB11

Species: Mouse
 Species: Mouse Monoclonal
 Clone: CB11
 Isotype: IgG1
 Species Reactivity: Human.
 Positive Control: Breast carcinoma (15-30% positive).
 Cellular Localization: Membrane.

Specificity: This antibody will aid in determining the presence of c-erbB-2 oncoprotein (185 kD) in uncharacterized tissue. C-erbB-2 oncoprotein falls within the family of cell surface growth factor receptors. It is present on a number of normal fetal and adult tissues such as breast, stomach and ovary. It has also been documented as being present in a percentage of breast and other adenocarcinomas and transitional cell carcinomas.

Catalog Number	Volume	Price
A20099	2 ml	\$125.35
A00099	6 ml	\$332.35
A00099.0025	25 ml	\$1,161.50

c-erbB-2 Oncoprotein; Clone SP3

Species: Rabbit
 Clone: SP3
 Mol. Weight: 185kD
 Isotype: IgG
 Species Reactivity: Human. Others not tested.
 Positive Control: Breast carcinoma.
 Cellular Localization: Cell membrane.

Specificity: c-erbB-2 is a receptor tyrosine of the c-erbB family. It is closely related in structure to the epidermal growth factor receptor. C-erbB-2 oncoprotein is detectable in a proportion of breast and other adenocarcinomas, as well as transitional cell carcinomas.

Catalog Number	Volume	Price
A20100	2 ml	\$125.35
A00100	6 ml	\$332.35
A00100.0025	25 ml	\$1,161.50

c-erbB-3 Oncoprotein; Clone RTJ.1

Species: Mouse Monoclonal
 Clone: RTJ.1
 Isotype: IgM
 MW: 160 kD
 Species Reactivity: Human

Specificity: This antibody does not cross react with the other members of the type I growth factor receptor family. In human breast carcinoma cell lines, both cytoplasmic and membrane staining has been observed with this antibody. This antibody is useful in the study of c-erbB-2 expression in neoplastic and non-neoplastic diseases.

Catalog Number	Volume	Price
A20053	2 ml Ready-to-use	\$115.00
A00053	6 ml Ready-to-use	\$227.70
A00053.0025	25 ml Ready-to-use	\$761.30

Chromogranin A; Clone A3

Species: Mouse Monoclonal
 Clone: A3
 Isotype: IgG2b,k
 Species Reactivity: Human

Specificity: Chromogranin A is a 439 amino acid protein present in secretory granules of a wide variety of endocrine cells and neurons. A positive staining is seen in the secretory granules of parathyroid, adrenal medulla, anterior pituitary gland and Langerhans islets of the pancreas. This antibody stains a variety of neuroendocrine tumors.

Catalog Number	Volume	Price
A20097	2 ml Ready-to-use	\$93.15
A00097	6 ml Ready-to-use	\$151.80
A00097.0025	25 ml Ready-to-use	\$507.15

Cyclin D1; Clone DCS-6 (Ready-To-Use)

Species: Mouse
 Designation: Mouse Monoclonal
 Clone: DCS-6
 Isotype: IgG2a, Kappa
 Species Reactivity: Human.
 Cellular Localization: Nuclear.

Positive Control: Mantle cell lymphoma and breast carcinoma.
 Specificity: The DCS-6 antibody is specific for cyclin D1, and has been key in elucidating the function and involvement of cyclin D1 in oncogenesis. Results with this antibody have helped to show that Cyclin D1 is over expressed in many different kinds of cancer. For example, about 50-70% of mantle cell lymphomas and 40% of breast carcinomas are cyclin D1.

Catalog Number	Volume	Price
A00111-0002	2 ml	\$54.05
A00111-0007	7 ml	\$136.85
A00111-0025	25 ml	\$409.40

Cyclin D3; Clone DCS-22

Species: Mouse Monoclonal
 Clone: DCS-22
 Isotype: IgG1
 Species Reactivity: Human

Specificity: The human cyclin D3 gene has been mapped to the 6p21 locus. Cyclin D3 binds and activates cdk4. Expression of cyclin D3 occurs late in G1 and unlike cyclins D1 and D2, it is not expressed in macrophages in response to CSF-1 stimulation. Cyclin D3 is regulated by growth factors in other cell types.

Catalog Number	Volume	Price
A20055	2 ml Ready-to-use	\$48.30
A00055	6 ml Ready-to-use	\$93.15
A00055.0025	25 ml Ready-to-use	\$313.95

Cytokeratin (45, 56, 56.5); Clone MNF116

Species: Mouse Monoclonal
 Clone: MNF116
 Isotype: IgG1
 MW: 45, 46, 56.5 kD
 Species Reactivity: Human

Specificity: It shows a broad pattern of reactivity with human epithelial tissues from simple glandular epithelia to stratified squamous epithelia, like epidermis, mammary gland ducts and tracheal epithelium.

Catalog Number	Volume	Price
A20096	2 ml Ready-to-use	\$72.45
A00096	6 ml Ready-to-use	\$144.90
A00096.0025	25 ml Ready-to-use	\$507.15

Cytokeratin (Pan); Clone Cocktail (Ready-To-Use)

Specificity: This antibody cocktail reacts with keratins 4, 5, 6, 7, 8, 10, 13, 14, 15, 16, 18, and 19. Cytokeratin (Pan) differentiates epithelial tumors from non-epithelial tumors.

Species: Mouse
 Immunogen: Multiple
 Clone: Multiple
 Isotype: IgG
 Species Reactivity: Human
 Positive Control: Skin
 Cellular Localization: Cytoplasmic

Catalog Number	Volume	Price
A00098-0002	2 ml	\$40.25
A00098-0007	7 ml	\$77.05
A00098-0025	25 ml	\$270.25

Cytokeratin 10 (56.5 kD); Clone DE-K10

Species: Mouse Monoclonal
 Clone: DE-K10
 Isotype: IgG2a
 MW: 56.5 kD
 Species Reactivity: Human and Dog
 Positive Control: Normal skin

Specificity: CK10 is expressed in all suprabasal layers of the epidermis. In the epidermis, expression of CK10 strictly parallels the extent of differentiation; it is absent in the basal layer, appears in the first suprabasal layers and increases in concentration towards the granular layer.

Catalog Number	Volume	Price
A20089	2 ml Ready-to-use	\$40.25
A00089	6 ml Ready-to-use	\$77.05
A00089.0025	25 ml Ready-to-use	\$255.30

Cytokeratin 19 (40 kD); Clone BA 17

Species: Mouse Monoclonal
 Clone: BA 17
 Isotype: IgG1
 MW: 40 kD
 Species Reactivity: Human

Specificity: It is the smallest human keratin found in most simple and non-keratinizing stratified epithelia. This antigen is not present in adult intrafollicular epidermis. The antibody stains most of the epithelial cell types including ductal and glandular epithelia.

Catalog Number	Volume	Price
A20094	2 ml Ready-to-use	\$93.15
A00094	6 ml Ready-to-use	\$187.45
A00094.0025	25 ml Ready-to-use	\$618.70

Cytokeratin 19; Clone A53-B/A2.26 (Ready-To-Use)

Species: Mouse
 Clone: A53-B/A2.26 (Ks 19.1)
 Isotype: Mouse IgG2a, Kappa
 Species Reactivity: Human. Reacts weakly with mouse, rat and guinea pig Cytokeratin 19.
 Positive Control: Skin, Breast carcinoma, Colon carcinoma, Thyroid.

Specificity: This antibody reacts with the rod domain of human Cytokeratin 19, a polypeptide of 40kDa. The antibody recognition epitope maps between amino acid 312-335. This antibody reacts with the MCF-7 cells which are known to contain Cytokeratin 19.

Catalog Number	Volume	Price
A00122-0002	2 ml	\$54.05
A00122-0007	7 ml	\$136.85
A00122-0025	25 ml	\$409.40

Cytokeratin 20; Clone EP23 (Ready-To-Use)

Species: Rabbit
 Immunogen: Rabbits were injected with a synthetic peptide corresponding to residues near the C-terminus in human CK20 protein.

Clone: EP23
 Isotype: Rabbit IgG
 Species Reactivity: Human

Positive Control: Colon for normal tissue and colon cancer for abnormal tissue.

Specificity: CK20 expression is restricted to cytoplasmic / cell surface staining in positive cells.

Catalog Number	Volume	Price
A00146-0002	2 ml	\$103.50
A00146-0007	7 ml	\$258.75
A00146-0025	25 ml	\$776.25

Cytokeratin 5,6 Cocktail; Clones EP42 & EP67 (Ready-To-Use)

Species: Rabbit
 Designation: Rabbit Monoclonal Cocktail
 Clone: EP42 & EP67
 Isotype: IgG
 Species Reactivity: Human. Others not tested.
 Positive Control: Skin for normal tissue, Lung Squamous Cell Carcinoma or Mesothelioma for abnormal tissue.
 Specificity: Cytokeratin 5,6 is expressed in many non-keratinizing stratified squamous epithelia including: basal epithelia, hair follicles, trachea, tongue mucosa, as well as basal cells in prostate glands and myoepithelial cells in mammary glands. Cytokeratin 5,6 protein is also found in most epithelial and bispasic mesotheliomas, large cell carcinoma and pulmonary squamous cell carcinomas.

Catalog Number	Volume	Price
A00141-0002	2 ml	\$223.10
A00141-0007	7 ml	\$557.75
A00141-0025	25 ml	\$1,673.25

Cytokeratin 5; Clone EP42 (Ready-To-Use)

Species: Rabbit
 Designation: Rabbit Monoclonal
 Clone: EP42
 Isotype: IgG
 Species Reactivity: Human. Others not tested.
 Positive Control: Skin for normal tissue and Mesothelioma for abnormal tissue.
 Specificity: Cytokeratin 5 is expressed in many non-keratinizing stratified squamous epithelia including: basal epithelia, hair follicles, trachea, tongue mucosa, as well as basal cells in prostate glands and myoepithelial cells in mammary glands. Cytokeratin 5 protein is also found in most epithelial and bispasic mesotheliomas, large cell carcinoma and pulmonary squamous cell carcinomas.

Catalog Number	Volume	Price
A00139-0002	2 ml	\$93.15
A00139-0007	7 ml	\$232.30
A00139-0025	25 ml	\$696.90

Cytokeratin 6; Clone EP67 (Ready-To-Use)

Species: Rabbit
 Designation: Rabbit Monoclonal
 Clone: EP67
 Isotype: IgG
 Species Reactivity: Human. Others not tested.
 Positive Control: Skin for normal tissue and Mesothelioma for abnormal tissue.
 Specificity: Cytokeratin 6 is expressed in many non-keratinizing stratified squamous epithelia of large cell carcinoma and pulmonary squamous cell carcinomas. It can also be found on stratified epithelia including: basal layer of epidermis, the outer root sheath of hair follicles, esophagus, oral mucosa, as well as basal cells in prostate glands and myoepithelial cells in mammary glands.

Catalog Number	Volume	Price
A00140-0002	2 ml	\$93.15
A00140-0007	7 ml	\$232.30
A00140-0025	25 ml	\$696.90

Cytokeratin 7; Clone OV-TL12/30 (Ready-To-Use)

Species: Mouse
 Clone: OV-TL12/30
 Isotype: IgG1
 Species Reactivity: Human. Others not tested.
 Positive Control: Carinoma of Ovary, Lung, Cervix or Breast.
 Specificity: Cytokeratin 7 expression is restricted to most glandular and transitional epithelia including lung, breast, bladder and female genital tract and their adenocarcinomas, but not in most gastrointestinal epithelium, prostate, hepatocyte and squamous epithelium.

Catalog Number	Volume	Price
A00142-0002	2 ml	\$37.95
A00142-0007	7 ml	\$94.30
A00142-0025	25 ml	\$282.90

Cytokeratin 8; Clone K8/383 (Ready-To-Use)

Species: Mouse
 Clone: K8/383
 Isotype: IgG1
 Species Reactivity: Human, Rat. Others not tested.
 Positive Control: MCF-7 or A431 cells. Human Skin, Colon, Lung or Breast carcinomas.
 Specificity: Cytokeratin 8 Antibody belongs to the type II (or B or Basic) subfamily of high molecular weight Cytokeratins and exists in combination with Cytokeratin 18. Cytokeratin 8 is primarily found in the non-squamous epithelia and is present in a majority of adenocarcinomas and ductal carcinomas. It is absent in squamous cell carcinomas.

Catalog Number	Volume	Price
A00136-0002	2 ml	\$41.40
A00136-0007	7 ml	\$102.35
A00136-0025	25 ml	\$307.05

Cytokeratin, High Molecular Weight; Clone 34bE12

Species: Mouse Monoclonal
 Clone: 34bE12
 Isotype: IgG1k
 MW: 68, 58, 56.5 and 50 kD
 Species Reactivity: Human, Horse, Monkey, Rabbit
 Positive Control: Any tissue containing squamous epithelium.

Specificity: This antibody stains squamous, ductal and other complex epithelium. This antibody reacts with squamous cell and ductal carcinomas of the breast, pancreas, bile duct and salivary gland, in addition to transitional cell carcinomas of the bladder and nasopharynx, thymomas, and epithelioid mesotheliomas. Mesenchymal tissues such as blood vessel, smooth muscle, skeletal muscle, dermis and nervous tissue are not stained.

Catalog Number	Volume	Price
A20071	2 ml Ready-to-use	\$74.75
A00071	6 ml Ready-to-use	\$150.65
A00071.0025	25 ml Ready-to-use	\$525.55

Cytokeratin, High Molecular Weight; Clone AE-3

Species: Mouse Monoclonal
 Clone: AE-3
 Isotype: IgG1
 MW: 58 and 65 to 67 kD
 Species Reactivity: Human

Specificity: In keratinized epidermis, 58 kD keratin is present in the basal and suprabasal layers, while 65 to 67 kD keratin is present in the cells above the basal layers. This antibody can be used to stain different cell layers in epithelial tissue and various neoplasms of epithelial origin.

Catalog Number	Volume	Price
A20052	2 ml Ready-to-use	\$51.75
A00052	6 ml Ready-to-use	\$103.50
A00052.0025	25 ml Ready-to-use	\$338.10

Cytokeratin, Multi (Acidic); Clone AE1

Species: Mouse Monoclonal
 Clone: AE1
 Isotype: IgG1
 MW: 56.5, 50, 50', 48 and 40 kD
 Species Reactivity: Human, Monkey, Cow, Rabbit, Mouse, Rat, Chicken. Others not tested.
 Positive Control: Human epidermal keratin or carcinoma. HT29 cells.

Specificity: Monoclonal antibody AE1 recognizes the 56.5, 50, 50', 48, and 40kDa keratins of the acidic subfamily. Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI<5.7) and basic (pI>6.0) subfamilies. The acidic keratins have molecular weights of 56.5, 55, 51, 50, 50', 48, 46, 45, and 40kDa.

Catalog Number	Volume	Price
A20051	2 ml Ready-to-use	\$42.55
A00051	6 ml Ready-to-use	\$85.10
A00051.0025	25 ml Ready-to-use	\$280.60

Cytokeratin, Pan; Clones AE1 & AE3 (Ready-To-Use)

Species: Mouse
 Immunogen: Human epidermal keratin
 Clone: AE-1 & AE-3
 Isotype: IgG1, kappa (AE-1); IgG1, kappa (AE-3)
 Species Reactivity: Human, Monkey, Cow, Dog, Rabbit, Mouse, Rat, Chicken. Others not known.

Positive Control: Skin, Adeno- or Squamous carcinomas.
 Specificity: This antibody cocktail recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, which include 67kDa (CK1); 64kDa (CK3); 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 52kDa (CK8); 56.5kDa (CK10); 50kDa (CK14); 50kDa (CK15); 48kDa (CK16); 40kDa (CK19). This antibody stains cytokeratins present in normal and abnormal human tissues and has shown high sensitivity in the recognition of epithelial cells and carcinomas.

Catalog Number	Volume	Price
A00152-0002	2 ml	\$54.05
A00152-0007	7 ml	\$136.85
A00152-0025	25 ml	\$409.40

Desmin, Clone D33

Species: Mouse Monoclonal
 Clone: D33
 Isotype: IgG1,k
 MW: 58 and 65 to 67 kD
 Species Reactivity: Human, Baboon, Monkey, Cow, Cat, Dog, Hamster, Rat and Chicken.
 Positive Control: Muscle or sarcoma.

Specificity: This antibody is highly specific to desmin and shows no cross-reaction with other intermediate filament proteins. Antibody to desmin reacts with striated (skeletal and cardiac) as well as smooth muscle cells. In skeletal and cardiac muscles, the staining is confined to the Z-bands giving a characteristic striated appearance. It reacts with leiomyosarcomas (smooth muscle) as well as rhabdomyosarcomas (striated muscle).

Catalog Number	Volume	Price
A20007	2 ml Ready-to-use	\$48.30
A00007	6 ml Ready-to-use	\$95.45
A00007.0025	25 ml Ready-to-use	\$303.60

Epithelial Membrane Antigen; Clone E29

Species: Mouse Monoclonal
 Clone: E29
 Isotype: IgG2a
 MW: 265-400 kD
 Species Reactivity: Human
 Positive Control: Breast or colon carcinoma

Specificity: In Western blotting, it recognizes two glycoproteins in MW range of 265-400kDa, identified as epithelial membrane antigen (EMA), or mucin 1 (MUC-1), or polymorphic epithelial mucin (PEM), or sialomucin, or episialin. In immunohistochemical assays, ScyTek's E29 stains routine formalin/paraffin carcinoma tissues without any special pretreatment. Antibody to EMA is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.

Catalog Number	Volume	Price
A20008	2 ml Ready-to-use	\$34.50
A00008	6 ml Ready-to-use	\$67.85
A00008.0025	25 ml Ready-to-use	\$227.70

Estrogen Receptor; Clone 11D5 (Ready-To-Use)

Species: Mouse
 Clone: 11D5
 Isotype: IgG1, Kappa
 Species Reactivity: Human
 Positive Control: Breast Carcinoma.
 Cellular Localization: Nuclei.

Specificity: This antibody is specific to estrogen receptor, which is associated with superior prognosis and a better response to endocrine therapy. The nuclei of the estrogen receptor positive cells stain very strongly with this antibody, without any staining in the cytoplasm. However, on cryostat sections a positive staining of estrogen receptor in the nucleus as well as cytoplasm can be seen. This antibody can be used for gel shift assay, immunoprecipitation, immunohistochemistry and western blotting.

Catalog Number	Volume	Price
A00106-0002	2 ml	\$115.00
A00106-0007	7 ml	\$286.35
A00106-0025	25 ml	\$859.05

Estrogen Receptor; Clone 1D5

Species: Mouse Monoclonal
 Clone: 1D5
 Isotype: IgG1,k
 MW: 67 kD

Specificity: Recognizes a protein of 67 kDa which is identified as estrogen receptor (ER). Its epitope maps in the N-terminal domain (A/B) of ER. The ER gene consists of more than 140kb of genomic DNA divided into 8 exons, being translated into a protein with six functionally discrete domains, labeled A through F.

Catalog Number	Volume	Price
A20010	2 ml Ready-to-use	\$151.80
A00010	6 ml Ready-to-use	\$305.90
A00010.0025	25 ml Ready-to-use	\$1,014.30

Estrogen Receptor; Clone ERa078 (Ready-To-Use)

Species: Mouse
 Clone: ERa078
 Isotype: Mouse IgG1, Kappa
 Species Reactivity: Human.
 Positive Control: Breast carcinoma.
 Specificity: This antibody is specific for estrogen receptor.

Catalog Number	Volume	Price
A00128-0002	2 ml	\$32.20
A00128-0007	7 ml	\$81.65
A00128-0025	25 ml	\$246.10

Galactocerebroside A; Clone mGalC

Species: Mouse Monoclonal
 Clone: mGalC
 Isotype: IgG3
 Species Reactivity: Human, Bovine, Rat, Rabbit
 Positive Control: Brain or Spinal Cord

Specificity: Galactocerebroside (GalC) is the major galactosyl lipid of myelin. It is located on the surfaces of oligodendrocytes of the central nervous system and Schwann cells in the peripheral system and plays an important role in myelination. Anti-GalC cross reacts with the sulfate ester of GalC, but to a 16 fold lesser extent. It does not cross-react with sphingosine, ceramide, mixed ganglioside, or glucocerebroside. Anti-GalC binds specifically to oligodendrocytes and Schwann cells.

Catalog Number	Volume	Price
A20092	2 ml Ready-to-use	\$67.85
A00092	6 ml Ready-to-use	\$128.80
A00092.0025	25 ml Ready-to-use	\$424.35

GFAP; Clone ASTRO/789 (Ready-To-Use)

Species: Mouse
 Immunogen: Recombinant GFAP protein
 Clone: ASTRO/789
 Isotype: IgG1
 Species Reactivity: Human, Mouse, Rat, Cow, Pig, Rabbit, and Chicken. Others not known.
 Positive Control: Brain or Astrocytoma.
 Specificity: This antibody recognizes a protein of ~50kDa which is identified as Glial Fibrillary Acidic Protein (GFAP). It shows no cross-reaction with other intermediate filament proteins.

Catalog Number	Volume	Price
A00158-0002	2 ml	\$37.95
A00158-0007	7 ml	\$94.30
A00158-0025	25 ml	\$282.90

Glial Fibrillary Acidic Protein (GFAP); Clone GA-5 (Ready-To-Use)

Species: Mouse
 Immunogen: Porcine Spinal Chord
 Mol. Weight: 51-52kDa
 Clone: GA-5
 Isotype: IgG1
 Species Reactivity: Human, Pig, Rat, and Chicken. Others not tested.
 Positive Control: IMR5, Brain, or Astrocytoma.
 Cellular Localization: Cytoplasmic.

Specificity: Glial Fibrillary Acidic Protein (GFAP) is specific to astrocytes and ependymal cells of the central nervous system. This product effectively stains astrocytes, glial cells, ependymal cells and their associated tumors.

Catalog Number	Volume	Price
A00102-0002	2 ml	\$66.70
A00102-0007	7 ml	\$133.40
A00102-0025	25 ml	\$464.60

Hairy Cell Leukemia; Clone DBA.44

Species: Mouse
 Clone: DBA.44
 Isotype: IgM, Kappa
 Species Reactivity: Human

Specificity: This antibody reacts with over 97% of hairy cell leukaemia as well as about 35% of high grade B cell lymphomas. It reacts with B lymphocytes, cells of mantle zone and immunoblasts outside the lymphoid tissues.

Catalog Number	Volume	Price
A20015	2 ml	\$124.20
A00015	6 ml Ready-to-use	\$247.25
A00015.0025	25 ml Ready-to-use	\$876.30

Insulin; Clone 2D11-H5 (Ready-To-Use)

Species: Mouse
 Clone: 2D11-H5
 Isotype: Mouse IgG1, Kappa
 Species Reactivity: Human, Pig, Cow.
 Positive Control: Pancreatic tissue.
 Specificity: Detects insulin and insulin producing cells.

Catalog Number	Volume	Price
A00114-0002	2 ml	\$19.55
A00114-0007	7 ml	\$47.15
A00114-0025	25 ml	\$141.45

Kappa; Clone L1C1 (Ready-To-Use)

Species: Mouse
 Clone: L1C1
 Isotype: Mouse IgG1, Kappa
 Species Reactivity: Human.
 Positive Control: Tonsil.
 Specificity: The kappa light chain antibody recognizes the kappa light chain of immunoglobulin.

Catalog Number	Volume	Price
A00113-0002	2 ml	\$19.55
A00113-0007	7 ml	\$47.15
A00113-0025	25 ml	\$141.45

Laminin, Clone LAM-89

Species: Mouse
 Clone: LAM-89
 Isotype: IgG1

Specificity: Laminin stains the basement membrane strongly, with some weaker staining of the cytoplasm of epithelia surrounding blood vessels and nerves in established tissues, endothelia and smooth muscle.

Catalog Number	Volume	Price
A20101	2 ml	\$92.00
A00101	6 ml	\$239.20
A00101.0025	25 ml	\$837.20

Laminin; Clone 4C7

Species: Mouse Monoclonal
 Clone: 4C7
 Isotype: IgG2a
 MW: 100 kD

Species Reactivity: Human. Not reactive with mouse or rat.

Specificity: The basement membrane (BM) is a component of the extracellular matrix and is composed of a variety of proteins, of which laminin is the most prevalent. Laminin is synthesized by fibroblasts in epithelial and endothelial cells, as well as smooth muscle cells. This protein normally contributes to the regulation of cell growth, cell attachment to the BM and to the morphology of cells and their migration. The monoclonal labels trophoblastic cells of the villous trophoblastic epithelium in the placenta, and epithelia and BM in normal tonsil. Extensive studies of a variety of invasive and non-invasive carcinomas, including their benign counterparts, demonstrated a lack of immunoreactivity for laminin in the majority of invasive carcinomas. Benign or non-invasive lesions showed intact BM.

Catalog Number	Volume	Price
A20079	2 ml Ready-to-use	\$202.40
A00079	6 ml Ready-to-use	\$407.10
A00079.0025	25 ml Ready-to-use	\$1,354.70

MART-1; Clone M2-7C10 (Ready-To-Use)

Species: Mouse
 Clone: M2-7C10
 Isotype: Mouse IgG2b, Kappa
 Species Reactivity: Human. Clone M2-7C10 does not react with mouse or rat.
 Positive Control: Metastatic melanoma in lymph nodes.
 Specificity: The clone M2-7C10 MART-1 antibody labels melanomas and other tumors showing melanocyte differentiation.

Catalog Number	Volume	Price
A00115-0002	2 ml	\$19.55
A00115-0007	7 ml	\$47.15
A00115-0025	25 ml	\$141.45

MART-1; Clone M2-9E2 (Ready-To-Use)

Species: Mouse
 Clone: M2-9E2
 Isotype: Mouse IgG2b, Kappa
 Species Reactivity: Human, Mouse, Rat.
 Positive Control: Metastatic melanoma in lymph nodes.
 Specificity: The clone M2-9E2 MART-1 antibody labels melanomas and other tumors showing melanocyte differentiation.

Catalog Number	Volume	Price
A00116-0002	2 ml	\$19.55
A00116-0007	7 ml	\$47.15
A00116-0025	25 ml	\$141.45

MART-1; Clones M2-7C10 & M2-9E3 (Ready-To-Use)

Species: Mouse
 Clones: M2-7C10 & M2-9E3
 Isotype: Mouse IgG2b, kappa
 Species Reactivity: Human.
 Positive Control: Human Melanoma.
 Specificity: MART-1 has been shown to be a very specific marker for melanomas.

Catalog Number	Volume	Price
A00133-0002	2 ml	\$34.50
A00133-0007	7 ml	\$87.40
A00133-0025	25 ml	\$262.20

Melanoma; Clone HMB45 (Ready-To-Use)

Species: Mouse Monoclonal
 Clone: HMB45
 Isotype: IgG1 / Kappa
 Species Reactivity: Human. Does not react with dog and rat.
 Positive Control: Melanoma

Specificity: By immunohistochemistry, it specifically recognizes a protein in melanocytes and melanomas. Biochemical nature of its antigen is yet not fully characterized. This antibody reacts with junctional and blue nevus cells and variably with fetal and neonatal melanocytes. Intradermal nevi, normal adult melanocytes, and non-melanocytic cells are negative. It does not stain tumor cells of epithelial, lymphoid, glial, or mesenchymal origin.

Catalog Number	Volume	Price
A00019-0002	2 ml	\$74.75
A00019-0007	7 ml	\$193.20
A00019-0025	25 ml	\$676.20

Melanoma; Pan (Ready-To-Use)

Species: Mouse
 Clones: MART-1; Clone M2-7C10, MART-1; Clone M2-9E3, Tyrosinase; Clone T311, Melanoma: HMB45.
 Isotype: Mouse IgG1
 Species Reactivity: Human.
 Positive Control: Human Melanoma
 Specificity: Melanoma; Pan is a broad spectrum marker for metastatic melanoma.

Catalog Number	Volume	Price
A00134-0002	2 ml	\$79.35
A00134-0007	7 ml	\$198.95
A00134-0025	25 ml	\$598.00

MIC2 Gene Protein, CD99; Clone HO36-1.1 (Ready-To-Use)

Species: Mouse Monoclonal
 Clone: HO36-1.1
 Isotype: IgM
 Species Reactivity: Human, Rat, Others not tested.
 Positive Control: Pancreas or Ewing's sarcoma.
 Cellular Localization: Cell Membrane.

Specificity: This antibody reacts with the MIC2 gene products expressed on the cell membrane of lymphocytes, cortical thymocytes, Langerhans' islet cells, granulosa cells of the ovary and Sertoli cells of the testis. This antibody reacts strongly with Ewing's Sarcoma and peripheral neuroectodermal tumors.

Catalog Number	Volume	Price
A00044-0002	2 ml	\$48.30
A00044-0007	7 ml	\$93.15
A00044-0025	25 ml	\$313.95

MSH6; Clone EP49 (Ready-To-Use)

Species: Rabbit
 Immunogen: Rabbits were injected with a synthetic peptide corresponding to residues at the N-terminus in human MSH6 protein.
 Clone: EP49
 Isotype: Rabbit IgG
 Species Reactivity: Human
 Positive Control: Colon for normal tissue and colon adenocarcinoma for abnormal tissue.
 Specificity: MSH6 is restricted to nuclear staining in positive cells.

Catalog Number	Volume	Price
A00149-0002	2 ml	\$55.20
A00149-0007	7 ml	\$138.00
A00149-0025	25 ml	\$414.00

MUC5AC (Gastric Mucin); Clone 45M1 (Ready-To-Use)

Species: Mouse
 Clone: 45M1
 Isotype: Mouse IgG1, Kappa
 Species Reactivity: Human, Monkey, Cat, Chicken, Hedgehog, Mouse, Pig, Rabbit, Rat. Does not react with cow.
 Positive Control: Stomach.
 Specificity: MUC5AC is expressed in airway and gastric epithelial cells and highly expressed in colorectal carcinomas.

Catalog Number	Volume	Price
A00124-0002	2 ml	\$19.55
A00124-0007	7 ml	\$47.15
A00124-0025	25 ml	\$141.45

Napsin A; Clone EP205 (Ready-To-Use)

Species: Rabbit
 Designation: Rabbit Monoclonal
 Clone: EP205
 Isotype: IgG
 Species Reactivity: Human. Others not tested.
 Positive Control: Lung Adenocarcinoma or Renal Cell Carcinoma.
 Specificity: Napsin A is expressed in the cytoplasm of 84.5% of primary lung adenocarcinomas (ADC) and 79% of renal cell carcinomas showing a granular staining pattern. It is also been observed in the glandular component of the adenosquamous cell carcinoma, while cells in the squamous component remain negative. Napsin A expression has also been observed in normal type II pneumocytes and some alveolar macrophages near the neoplasms, while no expression is seen in type I pneumocytes, bronchiolar epithelium, bronchial epithelium and stromal cells.

Catalog Number	Volume	Price
A00143-0002	2 ml	\$103.50
A00143-0007	7 ml	\$258.75
A00143-0025	25 ml	\$776.25

Neurofilament; Clone 2F11 (Ready-To-Use)

Species: Mouse
 Clone: 2F11
 Isotype: IgG1, Kappa
 Species Reactivity: Human, Rabbit, Cat, Mouse and Rat. Does not react with dog.
 Positive Control: Brain

Specificity: This antibody stains neurons (axons) of the central and peripheral nervous system. It is useful for the identification of tumors with neuronal differentiation viz. Neuroblastomas, Ganglioneuromas, Pheochromocytomas and Esthesioblastomas. The antibody cross-reacts with the NF-equivalent protein in mouse, rabbit, rat and swine. The antibody can also be utilized to discriminate between Hirschsprung's disease and allied enteric nervous system malformations.

Catalog Number	Volume	Price
A00020-0002	2 ml	\$51.75
A00020-0007	7 ml	\$103.50
A00020-0025	25 ml	\$358.80

p21; Clone WA-1 (HJ21) (Ready-To-Use)

Species: Mouse
 Clone: WA-1 (HJ21)
 Isotype: Mouse IgG1, Kappa
 Species Reactivity: Human.
 Positive Control: Colon Carcinoma.
 Specificity: The antibody is highly specific to p21; it does not cross-react with other closely related mitotic inhibitors. Specificity validations include antibody recognition of recombinant p21 by western blot (Koike, 2011) and in direct ELISA assays (Rossner, 2002 & 2007). Although the exact epitope for the antibody has not been mapped, the epitope appears to be different from those recognize by other p21 antibody clones.

Catalog Number	Volume	Price
A00125-0002	2 ml	\$72.45
A00125-0007	7 ml	\$181.70
A00125-0025	25 ml	\$542.80

p53 Cocktail; Clones Pab 1801 plus DO-7

Species: Mouse
 Clone: Pab1801 & DO-7
 Isotype: IgG1 & IgG2b, Kappa
 MW: 53 kD
 Species Reactivity: Human
 Positive Control: About 50% of breast carcinomas are positive for p53, especially those lacking estrogen and/or progesterone receptor, or with high proliferation index.

Specificity: This antibody reacts with wild as well as mutant types of p53 protein. It recognizes an epitope in the N-terminus of p53 protein. p53 is a 53 kD phosphoprotein known as tumor suppressor gene product. About 50% of breast carcinomas are positive for p53 especially those lacking estrogen and/or progesterone receptors. This antibody can be demonstrated in 22-76% of colon, stomach, bladder, breast, lung and testes cancers. Its epitope maps within the N-terminus (aa 32-79) of p53.

Catalog Number	Volume	Price
A20093	2 ml Ready-to-use	\$127.65
A00093	6 ml Ready-to-use	\$255.30
A00093.0025	25 ml Ready-to-use	\$846.40

p53; Clone BP53-12 (Ready-To-Use)

Species: Mouse
 Clone: BP53-12
 Isotype: IgG2a, Kappa
 Species Reactivity: Human. Will not cross-react with mouse or rat.
 Cellular Localization: Nuclear.
 Specificity: This p53 antibody recognizes a 53kDa protein, which is identified as p53 suppressor gene product. The antibody reacts with the mutant as well as the wild form of p53 under denaturing and non-denaturing conditions. The epitope maps within the N-terminus (aa 20-25) of p53 oncoprotein.

Catalog Number	Volume	Price
A00109-0002	2 ml	\$67.85
A00109-0007	7 ml	\$136.85
A00109-0025	25 ml	\$449.65

p53; Clone DO-1 (Ready-To-Use)

Species: Mouse Monoclonal

Clone: DO-1

Isotype: IgG2a

MW: 53 kD

Species Reactivity: Human, Monkey, Cow, and weak reaction with Mouse and Rat.

Positive Control: About 50% of breast carcinomas are positive for p53, especially those lacking estrogen and/or progesterone receptor, or with high proliferation index.

Specificity: Recognizes a 53kDa phosphoprotein, identified as p53 suppressor gene product. It reacts with mutant as well as wild form of p53. Its epitope maps within the N-terminus (aa37-45) of p53. Monoclonal antibody Pab 1801 does not block the binding of DO-1 to p53 in an ELISA test.

Catalog Number	Volume	Price
A20027-0002	2 ml	\$40.25
A00027-0007	7 ml	\$77.05
A00027-0025	25 ml	\$270.25

p53; Clone DO-7 (Ready-To-Use)

Species: Mouse

Clone: DO-7

Isotype: IgG2b,k

MW: 53 kD

Species Reactivity: Human, Monkey, and Cow

Positive Control: About 50% of breast carcinomas are positive for p53, especially those lacking estrogen and/or progesterone receptor, or with high proliferation index.

Specificity: Recognizes a 53kDa phosphoprotein, identified as p53 suppressor gene product. It reacts with mutant as well as wild form of p53. Its epitope maps within the N-terminus (aa37-45) of p53. Monoclonal antibody Pab 1801 does not block the binding of DO-1 to p53 in an ELISA test.

Catalog Number	Volume	Price
A00021-0002	2 ml	\$111.55
A00021-0007	7 ml	\$223.10
A00021-0025	25 ml	\$772.80

PCNA; Clone PC10

Species: Mouse Monoclonal

Clone: PC10

Isotype: IgG2a/k

MW: 36 kD

Species Reactivity: Human, Murine, Insect, and Yeast

Positive Control: Tonsil or reactive lymph node.

Specificity: Recognizes a non-histone protein of 36kDa which is identified as proliferating cell nuclear antigen (PCNA). It is also known as cyclin or polymerase delta auxiliary protein. Elevated expression of PCNA/cyclin has been shown in the nucleus during late G1 phase immediately before the onset of DNA synthesis, becoming maximal during S-phase and declining during G2 and M phases.

Catalog Number	Volume	Price
A20022	2 ml Ready-to-use	\$40.25
A00022	6 ml Ready-to-use	\$77.05
A00022.0025	25 ml Ready-to-use	\$255.30

Placental Alkaline Phosphatase (PLAP); Clone ALP/870 (Ready-To-Use)

Species: Mouse

Immunogen: Recombinant human PLAP protein

Clone: ALP/870

Isotype: IgG2b, kappa

Species Reactivity: Human. Others not known.

Positive Control: HepG2 cells. Placenta or seminoma.

Specificity: Reacts with a 70kDa membrane-bound isozyme (Regan and Nagao type) of Placental Alkaline Phosphatase (PLAP) occurring in the placenta during the 3rd trimester of gestation. It is highly specific for PLAP and shows no cross-reaction with other isozymes of alkaline phosphatase.

Catalog Number	Volume	Price
A00154-0002	2 ml	\$37.95
A00154-0007	7 ml	\$94.30
A00154-0025	25 ml	\$282.90

PSA (Prostate Specific Antigen); Clone ER-PR8

Species: Mouse Monoclonal

Clone: ER-PR8

Isotype: IgG1/k

MW: 33-34 kD

Species Reactivity: Human. Does not react with dog.

Positive Control: Normal prostate or prostate carcinoma.

Specificity: Recognizes a single protein of 33-34kDa, identified as the prostate specific antigen (PSA). Although the epitopes for Ab-1 and Ab-2 are not precisely mapped, experimental data suggest that they are different. ER-PR8 is highly specific to PSA and stains prostatic secretory and ductal epithelium in both normal and neoplastic tissues. PSA is a chymotrypsin-like serine protease (kallikrein family) produced by the prostate epithelium, and abundant in seminal fluid. It is predominantly complexed to a liver-derived serine protease inhibitor, alpha-1-antichymotrypsin (ACT). A higher proportion of serum PSA is complexed to ACT in prostate cancer than in benign prostate hyperplasia.

Catalog Number	Volume	Price
A20068	2 ml Ready-to-use	\$135.70
A00068	6 ml Ready-to-use	\$271.40
A00068.0025	25 ml Ready-to-use	\$941.85

PSAP (Prostate Specific Acid Phosphatase); Clone PASE/4LJ

Species: Mouse Monoclonal
 Clone: PASE/4LJ
 Isotype: IgG1
 MW: 52 kD
 Species Reactivity: Human, Dog, Rabbit, and Rat.
 Positive Control: Normal prostate or prostate carcinoma.

Specificity: Recognizes a protein of 52kDa, identified as prostate specific acid phosphatase (PSAP). PASE/4LJ is highly specific to PSAP and shows no cross-reaction with other phosphatases. It does not inhibit the enzymatic activity of PSAP. This antibody reacts with non-neoplastic adult and fetal prostatic glands, primary and metastatic prostatic carcinomas. ScyTek's PASE/4LJ is recommended for immunohistochemical staining of formalin-fixed, paraffin-embedded tissues. Unlike polyclonal antibody to PSAP, PASE/4LJ Mab shows no staining in granulocytes, osteoclasts, parietal cells of the stomach, liver cells, renal cell or breast carcinomas.

Catalog Number	Volume	Price
A20041	2 ml Ready-to-use	\$82.80
A00041	6 ml Ready-to-use	\$170.20
A00041.0025	25 ml Ready-to-use	\$595.70

Renal Cell Carcinoma (RCC); Clone 66.4.C2 (Ready-To-Use)

Species: Mouse
 Clone: 66.4.C2
 Isotype: Mouse IgG2b, Kappa
 Species Reactivity: Human, Horse. Others not tested.
 Positive Control: Kidney.

Specificity: The actual protein recognized by RCC-ma antibody is a 200 kDa glycoprotein (gp200) expressed in renal epithelial cells. In normal tissue, the renal cell carcinoma/RCC-ma/gp200 antibody stains the brush border of proximal renal tubules in human kidneys. Gp200 is also expressed in some non-kidney tissues including breast tubules and ducts, the surface of epididymal tubular epithelia, and the colloid of thyroid follicles. However because of the reported high expression of gp200 in renal cell carcinoma, gp200 is most commonly referred to as Renal Cell Carcinoma Marker.

Catalog Number	Volume	Price
A00118-0002	2 ml	\$39.10
A00118-0007	7 ml	\$95.45
A00118-0025	25 ml	\$286.35

S-100; Clone 4C4.9 (Ready-To-Use)

Species: Mouse Monoclonal
 Clone: 4C4.9
 Isotype: IgG2a
 MW: 21-24 kD
 Species Reactivity: Human, Cow, Mouse
 Positive Control: Melanoma or Schwannoma.

Specificity: Recognizes proteins of 21-24kDa, identified as the A and B subunits of S100 protein. S100 belongs to the family of calcium binding proteins such as calmodulin and troponin C. S100A is composed of an alpha and beta chain whereas S100B is composed of two beta chains. Antibody to S100 stains Schwannomas, ependymomas, astroglomas, almost all benign and malignant melanomas and their metastases. S100 protein is also expressed in the antigen presenting cells such as the Langerhans cells in skin and interdigitating reticulum cells in the paracortex of lymph nodes. S100 protein is highly soluble and may be eluted from frozen tissue during staining.

Catalog Number	Volume	Price
A00087-0002	2 ml	\$34.50
A00087-0007	7 ml	\$67.85
A00087-0025	25 ml	\$238.05

Secretory Component; Clone SC05 (Ready-To-Use)

Species: Mouse
 Clone: SC05
 Isotype: IgG1, Kappa
 Species Reactivity: Human, Rat. Others not tested.
 Positive Control: Breast carcinoma, Lung, Stomach.
 Specificity: This antibody reacts with both free and bound secretory component to secretory IgA.

Catalog Number	Volume	Price
A00127-0002	2 ml	\$19.55
A00127-0007	7 ml	\$47.15
A00127-0025	25 ml	\$141.45

Thyroglobulin; Clone 2H11 (Ready-To-Use)

Species: Mouse
 Clone: 2H11
 Isotype: IgG1, Kappa
 Species Reactivity: Human
 Cellular Localization: Cytoplasmic
 Specificity: Thyroglobulin is a 660 kDa dimeric preprotein with multiple glycosylation sites is produced by and processed within the thyroid gland to produce the hormone thyroxine and triiodothyronine. Prior to forming dimers, thyroglobulin monomers undergo conformation maturation in the endoplasmic reticulum. Thyroglobulin dimerization as well as transport of thyroglobulin to the Golgi complex is calcium dependent. Thyroglobulin defects resulting from defective dimer formation and export to the Golgi is thought to cause some types of goiter. Antibody against thyroglobulin may be produced by individuals with other diseases arising from the gland such as Hashimoto's or Graves disease. Hence the presence of thyroglobulin autoantibodies can help to identify disease. Antibody to thyroglobulin has been shown to be useful for the identification of papillary and follicular thyroid carcinoma; thyroglobulin antibody positive lesions are of thyroidal origin. Carcinomas of nonthyroidal origin do not express thyroglobulin and hence are thyroglobulin antibody negative. It is important to note though that not every type of thyroidal lesion is thyroglobulin antibody positive, a number of forms are negative. Hence a negative result does not necessarily rule out that a given lesion or metastasis originated from the thyroid gland.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A00108-0002	2 ml	\$31.05
A00108-0007	7 ml	\$78.20
A00108-0025	25 ml	\$235.75

Topoisomerase II; Clone 3F6

Species: Mouse
 Clone: 3F6
 Isotype: IgG1
 Species Reactivity: Human

Specificity: This antibody is specific to human topoisomerase II. Topoisomerase II is predominant in proliferating cells and is modified in M phase by phosphorylation at specific sites. This appears to be critical for mitotic chromosome condensation and segregation.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A20088	2 ml Ready-to-use	\$123.05
A00088	6 ml Ready-to-use	\$247.25
A00088.0025	25 ml Ready-to-use	\$821.10

TTF-1; Clone 8G7G3/1 (Ready-To-Use)

Species: Mouse
 Designation: Mouse Monoclonal
 Clone: 8G7G3/1
 Isotype: IgG1
 Species Reactivity: Human. Others not tested.
 Positive Control: Adenocarcinoma of the Lung or Thyroid.
 Specificity: This antibody reacts with TTF-1 protein found in adenocarcinomas of the lung and tumors originating in the thyroid. TTF-1 positive cells are found in Type II pneumocytes and Clara cells in the lung. In the thyroid, follicular and parafollicular cells are positive. In lung cancers, Adenocarcinomas are usually positive, while Squamous Cell Carcinomas and Large Cell Carcinomas are rarely positive. In addition, Small-Cell Carcinomas (of any primary site) are usually positive.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A00144-0002	2 ml	\$66.70
A00144-0007	7 ml	\$166.75
A00144-0025	25 ml	\$500.25

Tyrosinase; Clone T311 (Ready-To-Use)

Species: Mouse
 Clone: T311
 Isotype: Mouse IgG1
 Species Reactivity: Human.
 Positive Control: Human Melanoma
 Specificity: Tyrosinase has been shown to be a very specific marker for melanomas. Cross reactivity with other tumors or normal tissues tested has not been reported.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A00132-0002	2 ml	\$36.80
A00132-0007	7 ml	\$90.85
A00132-0025	25 ml	\$272.55

UchL1 (PGP9.5); Clone 31A3 (Ready-To-Use)

Species: Mouse
 Clone: 31A3
 Isotype: Mouse IgG1, Kappa
 Species Reactivity: Cow, Human, Mouse, Pig, Rat.
 Positive Control: Brain.
 Specificity: The UchL1 clone 31A3 antibody stains neuronal cell bodies and axons in the central and peripheral nervous systems as well as small nerve fibers in peripheral tissues, including epidermal tissues (Day & Thompson, 2010). The antibody also stains neuroendocrine cells in the kidney, pituitary, thyroid, pancreas, gastrointestinal tract, and tumors of the diffuse neuroendocrine system. This antibody has also identified UchL1 expression in renal tubule spermatogonia, testis, ovary, and both pregnant and non-pregnant corpus luteum.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A00120-0002	2 ml	\$19.55
A00120-0007	7 ml	\$47.15
A00120-0025	25 ml	\$141.45

Vimentin; Clone SP20

Species: Rabbit
 Immunogen: Recombinant protein encoding human vimentin.
 Mol. Weight: 57-60kDa
 Clone: SP20
 Isotype: IgG
 Specificity: This antibody selectively stains vimentin in human tissue sections. Vimentin is the main intermediate filament in mesenchymal cells and is therefore of value in the differential diagnosis of undifferentiated neoplasms.
 Species Reactivity: Human. Others not tested.

Catalog Number	Volume	Price
A20105	2 ml	\$66.70
A00105	6 ml	\$131.10
A00105.0025	25 ml	\$461.15

Vimentin; Clone V9

Species: Mouse Monoclonal
 Clone: V9
 Isotype: IgG1/k
 MW: 57-60 kD
 Species Reactivity: Human, Monkey, Cow, Horse, Pig, Rabbit, Dog, Cat, Rat, Mouse, Hamster, Gerbil and Chicken.
 Positive Control: Sarcomas, meningiomas, or melanomas.

Specificity: Recognizes a 57-60kDa protein which is identified as vimentin. It shows no cross reactivity with other closely related intermediate filament proteins including desmin and GFAP.

Catalog Number	Volume	Price
A20045	2 ml Ready-to-use	\$75.90
A00045	6 ml Ready-to-use	\$151.80
A00045.0025	25 ml Ready-to-use	\$531.30

Monoclonal Concentrates**Bcl-2; Clone 100/D5 (Concentrate)**

Species: Mouse
 Clone: 100/D5
 Isotype: Mouse IgG1, Kappa
 Species Reactivity: Human, Monkey. Others not tested.
 Positive Control: Tonsil.
 Cellular Localization: Cytoplasmic & Cell Membrane.
 Specificity: Human Bcl-2 alpha is a 239 amino acid (aa) protein and human Bcl-2 beta is a 205 aa protein. The 100/D5 antibody [also known as clone Bcl-2/100 (Kren, 2004, Kaur, 2004)] recognizes both Bcl-2 isoforms (Pezzela et al, 1990).

Catalog Number	Volume	Price
A00119-C	1 ml	\$343.85

CA19-9; Clone 121SLE (Concentrate)

Species: Mouse
 Clone: 121SLE
 Isotype: IgM, Kappa
 Species Reactivity: Human
 Cellular Localization: Luminal surface and cytoplasm.
 Specificity: CA19-9, a carbohydrate epitope expressed on a high MW (>400kDa) mucin glycoprotein, is a sialyl Lewis structure which is synthesized from type 1 blood group precursor chains and is present in individuals expressing the Lewis and/or Lewisb blood group antigens. In normal tissues, sialyl Lewis antigen is present in ductal epithelium of the breast, kidney, salivary gland, and sweat glands. Its expression is greatly enhanced in serum as well as in the majority of tumor cells in gastrointestinal (GI) carcinomas, including adenocarcinomas of the stomach, intestine, and pancreas. Preoperative elevated CA19-9 levels in patients with stage I pancreatic carcinoma decrease to normal values following surgery. When used serially, CA19-9 can predict recurrence of disease prior to radiographic or clinical findings.

Catalog Number	Volume	Price
A00107-C	1 ml	\$324.30

Carcinoembryonic Antigen, Pan (CEA); Clone COL-1 (Concentrate)

Species: Mouse
 Immunogen: BALB/c mice were injected with an extract of human colon carcinoma.
 Clone: COL-1
 Isotype: IgG1 Kappa
 Species Reactivity: Human. Others not tested.
 Positive Control: Colon Adenocarcinoma.
 Specificity: This antibody labels the CEA-positive glycocalyx surface of gastrointestinal cells and is useful for the identification of colon carcinomas.

Catalog Number	Volume	Price
A00135-C	1 ml	\$394.45

CD15; Clone Leu-M1 (Concentrate)

Species: Mouse
 Immunogen: U937 histiocytic cell line
 Clone: Leu-M1 (same as MMA)
 Isotype: IgM, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: U937 cells, Reed-Sternberg's cells in Hodgkin's lymphoma.
 Specificity: This antibody reacts with a 220 kDa protein, CD15 / FUT4 expressed on Reed-Sternberg cells.

Catalog Number	Volume	Price
A00151-C.1	0.1 ml	\$103.50

CD31; Clone C31.3 (Concentrate)

Species: Mouse
 Clone: C31.3
 Isotype: Mouse IgG1, Kappa
 Species Reactivity: Human.
 Positive Control: Tonsil, Liver, Kidney.
 Specificity: The CD31 antibody (clone C31.3 or PECAM-1) is widely used as a pan-endothelial cell marker to demonstrate the presence of endothelial cells in tissue sections by immunohistochemistry. The CD31 (PECAM-1) antibody reacts with normal, benign, and malignant endothelium.

Catalog Number	Volume	Price
A00126-C	1 ml	\$324.30

CD31; Clone C31.7 (Concentrate)

Species: Mouse
 Clone: C31.7
 Isotype: IgG1, Kappa
 Species Reactivity: Human.
 Positive Control: Tonsil
 Cellular Localization: Primarily membrane.
 Specificity: This antibody recognizes a 100kDa glycoprotein in endothelial cells and 130kDa in platelets. This antibody reacts with endothelial cells in normal tissues and in benign and malignant proliferations. In cryostat sections and blood smears the antibody also stains megakaryocytes, platelets and occasionally plasma cells. It reacts weakly with mantle zone B cells, peripheral T cells, and neutrophils. Antibody to CD31 is of value in the study of benign and malignant vascular tumors. Staining for CD31 has also been used to measure angiogenesis, which reportedly predicts tumor recurrence.

Catalog Number	Volume	Price
A00110-C	1 ml	\$324.30

CD45; Clone 2B11 (Concentrate)

Species: Mouse
 Clone: 2B11
 Isotype: Mouse IgG1, Kappa
 Species Reactivity: Human.
 Positive Control: Tonsil.
 Specificity: This antibody is specific for hematopoietic cells, including basophils, granulocytes, lymphocytes, macrophages / histiocytes, mast cells, monocytes, plasma cells; NOT mature red blood cells and their immediate progenitors, platelets or megakaryocytes, Dendritic cells, medullary thymocytes.

Catalog Number	Volume	Price
A00129-C	1 ml	\$297.85

CD45RA (LCA); Clone 158-4D3 (Concentrate)

Species: Mouse
 Clone: 158-4D3
 Isotype: Mouse IgG2a, Kappa
 Species Reactivity: Human. Others not tested.
 Positive Control: Tonsil, Spleen.
 Specificity: The CD45RA 158-4D3 antibody clone reacts with the ABC and BC isoforms (Schlossman et al, 1995). CD45RA has a molecular weight of 205-220 kDa.

Catalog Number	Volume	Price
A00123-C	1 ml	\$324.30

CD45RB; Clone PD7/26 (Concentrate)

Species: Mouse
 Clone: PD7/26
 Isotype: Mouse IgG1
 Species Reactivity: Human.
 Positive Control: Tonsil.
 Specificity: This antibody is specific for hematopoietic cells, including basophils, granulocytes, lymphocytes, macrophages/histiocytes, mast cells, monocytes, plasma cells; NOT mature red blood cells and their immediate progenitors, platelets or megakaryocytes, dendritic cells, medullary thymocytes. CD45RB is highly expressed on memory B cells and plasmablasts but not on naive B cells, Langerhans cells and some T cells, B cells, monocytes, macrophages, granulocytes.

Catalog Number	Volume	Price
A00130-C	1 ml	\$286.35

CD56; Clone 123C3 (Concentrate)

Species: Mouse
 Clone: 123C3
 Isotype: Mouse IgG1, Kappa
 Species Reactivity: Human.
 Positive Control: Tonsil, Neuroblastoma, Pancreatic Islet cells.
 Specificity: This antibody recognizes two proteins (185kDa & 145kDa), identified as two isoforms of neural cell adhesion molecule (NCAM/CD56). It is used as a tumor marker in various cancers such as NK lymphomas and Merkel cell carcinoma. NCAM is expressed on most neuroectodermal derived lines, tissues, and neoplasms such as retinoblastoma, medulloblastoma, astrocytoma, and neuroblastoma. It is also expressed on some mesodermally derived tumors such as rhabdomyosarcoma and also on natural killer cells.

Catalog Number	Volume	Price
A00121-C	1 ml	\$324.30

CD57 (HNK-1); Clone NK-1 (Concentrate)

Species: Mouse
 Clone: NK-1
 Isotype: Mouse IgM, Kappa
 Species Reactivity: Human.
 Positive Control: Tonsil, spleen, lymph node.
 Specificity: The NK1 antibody clone recognizes the glycoepitope referred to as both CD57 and HNK1.

Catalog Number	Volume	Price
A00117-C	1 ml	\$343.85

Cyclin D1; Clone DCS-6 (Concentrate)

Species: Mouse
 Designation: Mouse Monoclonal
 Clone: DCS-6
 Isotype: IgG2a, Kappa
 Species Reactivity: Human.
 Positive Control: Mantle cell lymphoma and breast carcinoma.
 Cellular Localization: Nuclear.
 Specificity: The DCS-6 antibody is specific for cyclin D1, and has been key in elucidating the function and involvement of cyclin D1 in oncogenesis. Results with this antibody have helped to show that Cyclin D1 is over expressed in many different kinds of cancer. For example, about 50-70% of mantle cell lymphomas and 40% of breast carcinomas are cyclin D1.

Catalog Number	Volume	Price
A00111-C	1 ml	\$324.30

Cytokeratin 19; Clone A53-B/A2.26 (Concentrate)

Species: Mouse
 Clone: A53-B/A2.26 (Ks 19.1)
 Isotype: Mouse IgG2a, Kappa
 Species Reactivity: Human. Reacts weakly with mouse, rat and guinea pig Cytokeratin 19.
 Positive Control: Skin, Breast carcinoma, Colon carcinoma, Thyroid.
 Specificity: This antibody reacts with the rod domain of human Cytokeratin 19, a polypeptide of 40kDa. The antibody recognition epitope maps between amino acid 312-335. This antibody reacts with the MCF-7 cells which are known to contain Cytokeratin 19.

Catalog Number	Volume	Price
A00122-C	1 ml	\$324.30

Cytokeratin 5,6 Cocktail; Clones EP42 & EP67 (Concentrate)

Species: Rabbit
 Designation: Rabbit Monoclonal Cocktail
 Clone: EP42 & EP67
 Isotype: IgG
 Species Reactivity: Human. Others not tested.
 Positive Control: Skin for normal tissue, Lung Squamous Cell Carcinoma or Mesothelioma for abnormal tissue.
 Specificity: Cytokeratin 5,6 is expressed in many non-keratinizing stratified squamous epithelia including: basal epithelia, hair follicles, trachea, tongue mucosa, as well as basal cells in prostate glands and myoepithelial cells in mammary glands. Cytokeratin 5,6 protein is also found in most epithelial and bispasic mesotheliomas, large cell carcinoma and pulmonary squamous cell carcinomas.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A00141-C	1 ml	\$641.70

Cytokeratin 5; Clone EP42 (Concentrate)

Species: Rabbit
 Designation: Rabbit Monoclonal
 Clone: EP42
 Isotype: IgG
 Species Reactivity: Human. Others not tested.
 Positive Control: Skin for normal tissue and Mesothelioma for abnormal tissue.
 Specificity: Cytokeratin 5 is expressed in many non-keratinizing stratified squamous epithelia including: basal epithelia, hair follicles, trachea, tongue mucosa, as well as basal cells in prostate glands and myoepithelial cells in mammary glands. Cytokeratin 5 protein is also found in most epithelial and bispasic mesotheliomas, large cell carcinoma and pulmonary squamous cell carcinomas.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A00139-C	1 ml	\$580.75

Cytokeratin 6; Clone EP67 (Concentrate)

Species: Rabbit
 Designation: Rabbit Monoclonal
 Clone: EP67
 Isotype: IgG
 Species Reactivity: Human. Others not tested.
 Positive Control: Skin for normal tissue and Mesothelioma for abnormal tissue.
 Specificity: Cytokeratin 6 is expressed in many non-keratinizing stratified squamous epithelia of large cell carcinoma and pulmonary squamous cell carcinomas. It can also be found on stratified epithelia including: basal layer of epidermis, the outer root sheath of hair follicles, esophagus, oral mucosa, as well as basal cells in prostate glands and myoepithelial cells in mammary glands.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A00140-C	1 ml	\$580.75

Cytokeratin 7; Clone OV-TL12/30 (Concentrate)

Species: Mouse
 Clone: OV-TL12/30
 Isotype: IgG1
 Species Reactivity: Human. Others not tested.
 Positive Control: Carinoma of Ovary, Lung, Cervix or Breast.
 Specificity: Cytokeratin 7 expression is restricted to most glandular and transitional epithelia including lung, breast, bladder and female genital tract and their adenocarcinomas, but not in most gastrointestinal epithelium, prostate, hepatocyte and squamous epithelium.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A00142-C	1 ml	\$465.75

Cytokeratin 8; Clone K8/383 (Concentrate)

Species: Mouse
 Clone: K8/383
 Isotype: IgG1
 Species Reactivity: Human, Rat. Others not tested.
 Positive Control: MCF-7 or A431 cells. Human Skin, Colon, Lung or Breast carcinoma.
 Specificity: Cytokeratin 8 Antibody belongs to the type II (or B or Basic) subfamily of high molecular weight Cytokeratins and exists in combination with Cytokeratin 18. Cytokeratin 8 is primarily found in the non-squamous epithelia and is present in a majority of adenocarcinomas and ductal carcinomas. It is absent in squamous cell carcinomas.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A00136-C	1 ml	\$580.75

Estrogen Receptor; Clone 11D5 (Concentrate)

Species: Mouse
 Clone: 11D5
 Isotype: IgG1, Kappa
 Species Reactivity: Human
 Positive Control: Breast Carcinoma.
 Cellular Localization: Nuclei.

Specificity: This antibody is specific to estrogen receptor, which is associated with superior prognosis and a better response to endocrine therapy. The nuclei of the estrogen receptor positive cells stain very strongly with this antibody, without any staining in the cytoplasm. However, on cryostat sections a positive staining of estrogen receptor in the nucleus as well as cytoplasm can be seen. This antibody can be used for gel shift assay, immunoprecipitation, immunohistochemistry and western blotting.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A00106-C	1 ml	\$481.85

Estrogen Receptor; Clone ERa078 (Concentrate)

Species: Mouse
 Clone: ERa078
 Isotype: Mouse IgG1, Kappa
 Species Reactivity: Human.
 Positive Control: Breast carcinoma.
 Specificity: This antibody is specific for estrogen receptor.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A00128-C	1 ml	\$324.30

GFAP; Clone ASTRO/789 (Concentrate)

Species: Mouse
 Immunogen: Recombinant GFAP protein
 Clone: ASTRO/789
 Isotype: IgG1
 Species Reactivity: Human, Mouse, Rat, Cow, Pig, Rabbit, and Chicken. Others not known.
 Positive Control: Brain or Astrocytoma.
 Specificity: This antibody recognizes a protein of ~50kDa which is identified as Glial Fibrillary Acidic Protein (GFAP). It shows no cross-reaction with other intermediate filament proteins.

Catalog Number	Volume	Price
A00158-C.1	0.1 ml	\$103.50

Insulin; Clone 2D11-H5 (Concentrate)

Species: Mouse
 Clone: 2D11-H5
 Isotype: Mouse IgG1, Kappa
 Species Reactivity: Human, Pig, Cow.
 Positive Control: Pancreatic tissue.
 Specificity: Detects insulin and insulin producing cells.

Catalog Number	Volume	Price
A00114-C	1 ml	\$324.30

Kappa; Clone LIC1 (Concentrate)

Species: Mouse
 Clone: LIC1
 Isotype: Mouse IgG1, Kappa
 Species Reactivity: Human.
 Positive Control: Tonsil.
 Specificity: The kappa light chain antibody recognizes the kappa light chain of immunoglobulin.

Catalog Number	Volume	Price
A00113-C	1 ml	\$324.30

MART-1; Clone M2-7C10 (Concentrate)

Species: Mouse
 Clone: M2-7C10
 Isotype: Mouse IgG2b, Kappa
 Species Reactivity: Human. Clone M2-7C10 does not react with mouse or rat.
 Positive Control: Metastatic melanoma in lymph nodes.
 Specificity: The clone M2-7C10 MART-1 antibody labels melanomas and other tumors showing melanocyte differentiation.

Catalog Number	Volume	Price
A00115-C	1 ml	\$324.30

MART-1; Clone M2-9E2 (Concentrate)

Species: Mouse
 Clone: M2-9E2
 Isotype: Mouse IgG2b, Kappa
 Species Reactivity: Human, Mouse, Rat.
 Positive Control: Metastatic melanoma in lymph nodes.
 Specificity: The clone M2-9E2 MART-1 antibody labels melanomas and other tumors showing melanocyte differentiation.

Catalog Number	Volume	Price
A00116-C	1 ml	\$324.30

MART-1; Clones M2-7C10 & M2-9E3 (Concentrate)

Species: Mouse
 Clones: M2-7C10 & M2-9E3
 Isotype: Mouse IgG2b, kappa
 Species Reactivity: Human.
 Positive Control: Human Melanoma.
 Specificity: MART-1 has been shown to be a very specific marker for melanomas.

Catalog Number	Volume	Price
A00133-C	1 ml	\$389.85

Melanoma; Clone HMB45 (Concentrate)

Species: Mouse
 Clone: HMB45
 Isotype: Mouse IgG1/ Kappa
 Species Reactivity: Human. Does not react with dog and rat.
 Positive Control: Human Melanoma
 Specificity: HMB45 has been shown to be a very specific marker for melanomas.

Catalog Number	Volume	Price
A00019-C	1 ml	\$694.60

Melanoma; Pan (Concentrate)

Species: Mouse
 Clones: MART-1; Clone M2-7C10, MART-1; Clone M2-9E3, Tyrosinase; Clone T311, Melanoma: HMB45.
 Isotype: Mouse IgG1
 Species Reactivity: Human.
 Positive Control: Human Melanoma
 Specificity: Melanoma; Pan is a broad spectrum marker for metastatic melanoma.

Catalog Number	Volume	Price
A00134-C	1 ml	\$561.20

MUC5AC (Gastric Mucin); Clone 45M1 (Concentrate)

Species: Mouse
 Clone: 45M1
 Isotype: Mouse IgG1, Kappa
 Species Reactivity: Human, Monkey, Cat, Chicken, Hedgehog, Mouse, Pig, Rabbit, Rat. Does not react with cow.
 Positive Control: Stomach.
 Specificity: MUC5AC is expressed in airway and gastric epithelial cells and highly expressed in colorectal carcinomas.

Catalog Number	Volume	Price
A00124-C	1 ml	\$324.30

Napsin A; Clone EP205 (Concentrate)

Species: Rabbit
 Designation: Rabbit Monoclonal
 Clone: EP205
 Isotype: IgG
 Species Reactivity: Human. Others not tested.
 Positive Control: Lung Adenocarcinoma or Renal Cell Carcinoma.
 Specificity: Napsin A is expressed in the cytoplasm of 84.5% of primary lung adenocarcinomas (ADC) and 79% of renal cell carcinomas showing a granular staining pattern. It is also been observed in the glandular component of the adenosquamous cell carcinoma, while cells in the squamous component remain negative. Napsin A expression has also been observed in normal type II pneumocytes and some alveolar macrophages near the neoplasms, while no expression is seen in type I pneumocytes, bronchiolar epithelium, bronchial epithelium and stromal cells.

Catalog Number	Volume	Price
A00143-C	1 ml	\$642.85

Neurofilament; Clone 2F11 (Concentrate)

Species: Mouse
 Clone: 2F11
 Isotype: IgG1, Kappa
 Species Reactivity: Human, Rabbit, Cat, Mouse and Rat. Does not react with dog.
 Positive Control: Brain

Specificity: This antibody stains neurons (axons) of the central and peripheral nervous system. It is useful for the identification of tumors with neuronal differentiation viz. Neuroblastomas, Ganglioneuromas, Pheochromocytomas and Esthesioblastomas. The antibody cross-reacts with the NF-equivalent protein in mouse, rabbit, rat and swine. The antibody can also be utilized to discriminate between Hirschsprung's disease and allied enteric nervous system malformations.

Catalog Number	Volume	Price
A00020-C	1 ml	\$578.45

p21; Clone WA-1 (HJ21) (Concentrate)

Species: Mouse
 Clone: WA-1 (HJ21)
 Isotype: Mouse IgG1, Kappa
 Species Reactivity: Human.
 Positive Control: Colon Carcinoma.
 Specificity: The antibody is highly specific to p21; it does not cross-react with other closely related mitotic inhibitors. Specificity validations include antibody recognition of recombinant p21 by western blot (Koike, 2011) and in direct ELISA assays (Rossner, 2002 & 2007). Although the exact epitope for the antibody has not been mapped, the epitope appears to be different from those recognized by other p21 antibody clones.

Catalog Number	Volume	Price
A00125-C	1 ml	\$324.30

p53; Clone BP53-12 (Concentrate)

Species: Mouse
 Clone: BP53-12
 Isotype: IgG2a, Kappa
 Species Reactivity: Human. Will not cross-react with mouse or rat.
 Cellular Localization: Nuclear.
 Specificity: This p53 antibody recognizes a 53kDa protein, which is identified as p53 suppressor gene product. The antibody reacts with the mutant as well as the wild form of p53 under denaturing and non-denaturing conditions. The epitope maps within the N-terminus (aa 20-25) of p53 oncoprotein.

Catalog Number	Volume	Price
A00109-C	1 ml	\$324.30

Placental Alkaline Phosphatase (PLAP); Clone ALP/870 (Concentrate)

Species: Mouse
 Immunogen: Recombinant human PLAP protein
 Clone: ALP/870
 Isotype: IgG2b, kappa
 Species Reactivity: Human. Others not known.
 Positive Control: HepG2 cells. Placenta or seminoma.
 Specificity: Reacts with a 70kDa membrane-bound isozyme (Regan and Nagao type) of Placental Alkaline Phosphatase (PLAP) occurring in the placenta during the 3rd trimester of gestation. It is highly specific for PLAP and shows no cross-reaction with other isozymes of alkaline phosphatase.

Catalog Number	Volume	Price
A00154-C.1	0.1 ml	\$103.50

Renal Cell Carcinoma (RCC); Clone 66.4.C2 (Concentrate)

Species: Mouse
 Clone: 66.4.C2
 Isotype: Mouse IgG2b, Kappa
 Species Reactivity: Human, Horse. Others not tested.
 Positive Control: Kidney.
 Specificity: The actual protein recognized by RCC-ma antibody is a 200 kDa glycoprotein (gp200) expressed in renal epithelial cells. In normal tissue, the renal cell carcinoma/RCC-ma/gp200 antibody stains the brush border of proximal renal tubules in human kidneys. Gp200 is also expressed in some non-kidney tissues including breast tubules and ducts, the surface of epididymal tubular epithelia, and the colloid of thyroid follicles. However because of the reported high expression of gp200 in renal cell carcinoma, gp200 is most commonly referred to as Renal Cell Carcinoma Marker.

Catalog Number	Volume	Price
A00118-C	1 ml	\$324.30

Secretory Component; Clone SC05 (Concentrate)

Species: Mouse
 Clone: SC05
 Isotype: IgG1, Kappa
 Species Reactivity: Human, Rat. Others not tested.
 Positive Control: Breast carcinoma, Lung, Stomach.
 Specificity: This antibody reacts with both free and bound secretory component to secretory IgA.

Catalog Number	Volume	Price
A00127-C	1 ml	\$324.30

Thyroglobulin; Clone 2H11 (Concentrate)

Species: Mouse
 Clone: 2H11
 Isotype: IgG1, Kappa
 Species Reactivity: Human
 Cellular Localization: Cytoplasmic
 Specificity: Thyroglobulin is a 660 kDa dimeric preprotein with multiple glycosylation sites is produced by and processed within the thyroid gland to produce the hormone thyroxine and triiodothyronine. Prior to forming dimers, thyroglobulin monomers undergo conformation maturation in the endoplasmic reticulum. Thyroglobulin dimerization as well as transport of thyroglobulin to the Golgi complex is calcium dependent. Thyroglobulin defects resulting from defective dimer formation and export to the Golgi is thought to cause some types of goiter. Antibody against thyroglobulin may be produced by individuals with other diseases arising from the gland such as Hashimoto's or Graves disease. Hence the presence of thyroglobulin autoantibodies can help to identify disease.

Antibody to thyroglobulin has been shown to be useful for the identification of papillary and follicular thyroid carcinoma; thyroglobulin antibody positive lesions are of thyroidal origin. Carcinomas of nonthyroidal origin do not express thyroglobulin and hence are thyroglobulin antibody negative. It is important to note though that not every type of thyroidal lesion is thyroglobulin antibody positive, a number of forms are negative. Hence a negative result does not necessarily rule out that a given lesion or metastasis originated from the thyroid gland.

Catalog Number	Volume	Price
A00108-C	1 ml	\$324.30

TTF-1; Clone 8G7G3/1 (Concentrate)

Species: Mouse
 Designation: Mouse Monoclonal
 Clone: 8G7G3/1
 Isotype: IgG1
 Species Reactivity: Human. Others not tested.
 Positive Control: Adenocarcinoma of the Lung or Thyroid.
 Specificity: This antibody reacts with TTF-1 protein found in adenocarcinomas of the lung and tumors originating in the thyroid. TTF-1 positive cells are found in Type II pneumocytes and Clara cells in the lung. In the thyroid, follicular and parafollicular cells are positive. In lung cancers, Adenocarcinomas are usually positive, while Squamous Cell Carcinomas and Large Cell Carcinomas are rarely positive. In addition, Small-Cell Carcinomas (of any primary site) are usually positive.

Catalog Number	Volume	Price
A00144-C	1 ml	\$695.75

Tyrosinase; Clone T311 (Concentrate)

Species: Mouse
 Clone: T311
 Isotype: Mouse IgG1
 Species Reactivity: Human.
 Positive Control: Human Melanoma
 Specificity: Tyrosinase has been shown to be a very specific marker for melanomas, not cross reacting with other tumors or normal tissues tested.

Catalog Number	Volume	Price
A00132-C	1 ml	\$520.95

Uchl1 (PGP9.5); Clone 31A3 (Concentrate)

Species: Mouse
 Clone: 31A3
 Isotype: Mouse IgG1, Kappa
 Species Reactivity: Cow, Human, Mouse, Pig, Rat.
 Positive Control: Brain.
 Specificity: The Uchl1 clone 31A3 antibody stains neuronal cell bodies and axons in the central and peripheral nervous systems as well as small nerve fibers in peripheral tissues, including epidermal tissues (Day & Thompson, 2010). The antibody also stains neuroendocrine cells in the kidney, pituitary, thyroid, pancreas, gastrointestinal tract, and tumors of the diffuse neuroendocrine system. This antibody has also identified Uchl1 expression in renal tubule spermatogonia, testis, ovary, and both pregnant and non-pregnant corpus luteum.

Catalog Number	Volume	Price
A00120-C	1 ml	\$324.30

Multiplex Cocktail**CDX-2 & CEA Multiplex Cocktail; Clones EP25 & COL-1 (Ready-To-Use)**

Species: Rabbit and Mouse
 Designation: Cocktail of Rabbit and Mouse Monoclonal Antibodies to CDX-2 and CEA.
 Immunogen: Rabbits were injected with a synthetic peptide corresponding to residues near the C-terminus of human CDX-2. BALB/C mice were injected with Human colon carcinoma cell extracts (CEA).
 Mol. Weight: Unknown
 Clone: EP25 & COL-1
 Isotype: Rabbit IgG and Mouse IgG1, respectively.
 Species Reactivity: Human
 Positive Control: CDX-2: Colon for normal tissue and colon adenocarcinoma for abnormal tissue.
 CEA: Adenocarcinoma of colon, intestine, ovary, lung, cervix, gallbladder, stomach.
 Specificity: CDX-2 expression is restricted to nuclear staining in positive cells while CEA expression is restricted mostly to the lumen of colorectal crypts. The CEA antibody (COL-1) shows no reaction with a variety of normal tissues. CEA is not found in benign glands, stroma, or malignant prostatic cells. CEA positivity is seen in adenocarcinomas from the lung, colon, stomach, esophagus, gallbladder, urachus, salivary gland, ovary, and endocervix.

Catalog Number	Volume	Price
A00150-0002	2 ml	\$204.70
A00150-0007	7 ml	\$511.75
A00150-0025	25 ml	\$1,535.25

CDX2 & Cytokeratin 7 Multiplex Cocktail; Clones EP25 & OV-TL12/30 (Ready-To-Use)

Species: Rabbit and Mouse
 Designation: Cocktail of Rabbit and Mouse monoclonal antibodies to CDX-2 and CK7.
 Immunogen: Rabbits were injected with a synthetic peptide corresponding to residues near the C-terminus of human CDX-2. BALB/C mice were injected with OTN11-ovarian cell carcinoma cell line.
 Mol. Weight: Unknown
 Clone: Clones EP25 and OV-TL12/30
 Isotype: Rabbit IgG and Mouse IgG1, respectively.
 Species Reactivity: Human
 Positive Control: CDX-2: Colon for normal tissue and colon adenocarcinoma for abnormal tissue.
 CK7: Carcinoma of ovary, lung, cervix, or breast.
 Specificity: CDX-2 expression is restricted to nuclear staining in positive cells while CK7 expression is restricted to most glandular and transitional epithelia including lung, breast, bladder, and the female genital tract and their adenocarcinomas, but not in most gastrointestinal epithelium, prostate, hepatocyte, and squamous epithelium.

Catalog Number	Volume	Price
A00148-0002	2 ml	\$204.70
A00148-0007	7 ml	\$511.75
A00148-0025	25 ml	\$1,535.25

TTF-1 & Cytokeratin 5 Multiplex Cocktail; Clones 8G7G3/1 & EP42 (Ready-To-Use)

Species: Mouse & Rabbit
 Designation: Mouse Monoclonal & Rabbit Monoclonal
 Clones: 8G7G3/1 & EP42
 Isotype: IgG1 & IgG
 Species Reactivity: Human. Others not tested.
 Positive Control: Adenocarcinoma of the Lung or Thyroid for TTF-1. Skin for normal tissue and Mesothelioma for abnormal tissue for Cytokeratin 5.
 Principle: Multiplex IHC staining allows simultaneous testing of two or more analytes on a single tissue section utilizing different colors for each antigenic target.
 Specificity: This antibody reacts with TTF-1 protein found in adenocarcinomas of the lung and tumors originating in the thyroid. TTF-1 positive cells are found in Type II pneumocytes and Clara cells in the lung. In the thyroid, follicular and parafollicular cells are positive. In lung cancers, Adenocarcinomas are usually positive, while Squamous Cell Carcinomas and Large Cell Carcinomas are rarely positive. In addition, Small-Cell Carcinomas (of any primary site) are usually positive.
 Cytokeratin 5 is expressed in many non-keratinizing stratified squamous epithelia including: basal epithelia, hair follicles, trachea, tongue mucosa, as well as basal cells in prostate glands and myoepithelial cells in mammary glands. Cytokeratin 5 protein is also found in most epithelial and bispasic mesotheliomas, large cell carcinoma and pulmonary squamous cell carcinomas.
 This Multiplex cocktail of TTF-1 and Cytokeratin 5 produces two-color high contrast staining for differentiating primary adenocarcinoma of the Lung from Metastatic Carcinomas of the breast and Malignant Mesothelioma.

Catalog Number	Volume	Price
A00145-0002	2 ml	\$204.70
A00145-0007	7 ml	\$511.75
A00145-0025	25 ml	\$1,535.25

Polyclonal Ready-to-Use

Alpha1-Antichymotrypsin

Species: Rabbit Polyclonal
 Clone: Polyclonal
 Species Reactivity: Human. Shows no cross-reactivity with horse, sheep, swine, goat, cow, dog, cat, chicken, rat, mouse, mink, kangaroo or Guinea pig.
 Positive Control: Tonsil

Specificity: This antibody recognizes macrophages and monocytes in human colon, tonsil and skin.

Catalog Number	Volume	Price
A20073	2 ml Ready-to-use	\$34.50
A00073	6 ml Ready-to-use	\$67.85
A00073.0025	25 ml Ready-to-use	\$227.70

Alpha1-Antitrypsin

Species: Rabbit Polyclonal
 Clone: Polyclonal
 Species Reactivity: Human and Swine. Stains weakly with horse, dog and mink, and shows no cross-reactivity with sheep, goat, cow, cat, chicken, rat, mouse, kangaroo or Guinea pig.
 Positive Control: Tonsil

Specificity: This antibody recognizes macrophages in human colon and tonsil.

Catalog Number	Volume	Price
A20074	2 ml Ready-to-use	\$34.50
A00074	6 ml Ready-to-use	\$67.85
A00074.0025	25 ml Ready-to-use	\$227.70

Alpha1-Fetoprotein (AFP)

Species: Rabbit Polyclonal
 Clone: Polyclonal
 Species Reactivity: Human

Specificity: This antibody reacts with alpha-1-fetoprotein. A positive staining in the hepatocytes of fetal tissue was observed. This antibody does not react with other cell or tissue types.

Catalog Number	Volume	Price
A20058	2 ml Ready-to-use	\$42.55
A00058	6 ml Ready-to-use	\$67.85
A00058.0025	25 ml Ready-to-use	\$238.05

Calcitonin

Species: Rabbit
 Clone: Polyclonal

Specificity: This antibody reacts with the mu-chains of human IgM. Nonspecific antibodies have been removed by solid-phase absorption.

Catalog Number	Volume	Price
A20080	2 ml Ready-to-use	\$40.25
A00080	6 ml Ready-to-use	\$77.05
A00080.0025	25 ml Ready-to-use	\$270.25

Cathepsin D

Species: Rabbit Polyclonal
 Clone: Polyclonal
 Species Reactivity: Human
 Positive Control: Macrophages in breast carcinoma.

Specificity: This antibody reacts with the zymogen as well as the activated form of cathepsin D. It stains fibroblasts and macrophages strongly but stains myoepithelial cells of breast weakly. In addition, this antibody stains the sweat ducts and glands in the skin, islet cells and granules of pancreatic acini.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A20032	2 ml Ready-to-use	\$34.50
A00032	6 ml Ready-to-use	\$67.85
A00032.0025	25 ml Ready-to-use	\$227.70

CD3, T-Cell

Species: Rabbit Polyclonal
 Clone: Polyclonal
 Species Reactivity: Human
 Positive Control: Tonsil

Specificity: This antibody reacts with intracytoplasmic portion of the CD3 antigen on the T cells. It stains T cells in cortex as well as medulla of the thymus and lymphoid tissues. This antibody also labels T cell neoplasm, malignant histiocytes and in Hodgkin's disease.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A20030	2 ml Ready-to-use	\$72.45
A00030	6 ml Ready-to-use	\$150.65
A00030.0025	25 ml Ready-to-use	\$531.30

c-erbB-2 Oncoprotein

Species: Rabbit Polyclonal
 Clone: Polyclonal
 MW: 190 kD
 Species Reactivity: Human

Specificity: This antibody reacts with the c-erbB-2 oncoprotein, a 190 kD protein. The proto-oncogene for c-erbB-2 is located on the human chromosome 17, band 21.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A20031	2 ml Ready-to-use	\$80.50
A00031	6 ml Ready-to-use	\$162.15
A00031.0025	25 ml Ready-to-use	\$533.60

Chromogranin A

Species: Rabbit Polyclonal
 Clone: Polyclonal
 Species Reactivity: Human

Specificity: This antibody reacts with human chromogranin A in the neuroendocrine cells and neural tissues. It does not recognize the epitopes located on the N-terminal half of the chromogranin A molecule.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A20054	2 ml Ready-to-use	\$96.60
A00054	6 ml Ready-to-use	\$151.80
A00054.0025	25 ml Ready-to-use	\$557.75

Factor VIII Related Antigen

Species: Rabbit Polyclonal
 Clone: Polyclonal
 MW: 270 kD
 Species Reactivity: Human
 Positive Control: Blood vessels in skin or intestine

Specificity: Recognizes a multimeric glycoprotein of 270kDa, identified as factor VIII related antigen or von Willebrand factor. This protein has functional binding domains to platelet glycoprotein Ib, glycoprotein IIb/IIIa, collagen and heparin. Von Willebrand factor is synthesized by endothelial cells and stored in the Weibel-Palade granules. It mediates platelet adhesion to injured vessel walls and serves as a carrier and stabilizer for coagulation factor VIII. ScyTek's antibody reacts specifically with the endothelial cells of normal, reactive, and neoplastic blood and lymphatic vessels and shows a finely granular cytoplasmic staining. It also reacts with endocardium, platelets and megakaryocytes. Von Willebrand factor is one of the most useful markers to identify endothelial (or megakaryocytic) lineage of neoplasms. However, because not all endothelial cells synthesize (or store) this molecule, about 30% of tumors of vascular origin fail to stain for factor VIII related antigen, regardless of whether they are benign or malignant.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A20059	2 ml Ready-to-use	\$34.50
A00059	6 ml Ready-to-use	\$67.85
A00059.0025	25 ml Ready-to-use	\$238.05

HbcAg - Hepatitis B Virus Core

Species: Rabbit Polyclonal
 Clone: Polyclonal
 Species Reactivity: Human

Specificity: This antibody reacts in the nuclei of the liver cells of the Hepatitis type B virus infected patients. However, occasional staining may also be seen in the perinuclear cytoplasm of the infected cells.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A20060	2 ml Ready-to-use	\$34.50
A00060	6 ml Ready-to-use	\$67.85
A00060.0025	25 ml Ready-to-use	\$238.05

IgA

Species: Rabbit Polyclonal
 Clone: Polyclonal
 Species Reactivity: Human

Specificity: This antibody reacts with alpha-chains of human Ig A. This antibody has been absorbed to a very high level of specificity.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A20061	2 ml Ready-to-use	\$34.50
A00061	6 ml Ready-to-use	\$67.85
A00061.0025	25 ml Ready-to-use	\$238.05

IgG

Species: Rabbit Polyclonal
 Clone: Polyclonal
 Species Reactivity: Human

Specificity: This antibody reacts with gamma-chains of human IgA. Nonspecific antibodies have been removed by solid-phase absorption.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A20062	2 ml Ready-to-use	\$34.50
A00062	6 ml Ready-to-use	\$67.85
A00062.0025	25 ml Ready-to-use	\$238.05

IgM

Species: Rabbit Polyclonal
 Clone: Polyclonal
 Species Reactivity: Human

Specificity: This antibody reacts with the m chains of human IgM. Nonspecific antibodies have been removed by solid-phase absorption.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A20063	2 ml Ready-to-use	\$34.50
A00063	6 ml Ready-to-use	\$67.85
A00063.0025	25 ml Ready-to-use	\$238.05

Kappa Light Chain

Species: Rabbit Polyclonal
 Clone: Polyclonal
 Species Reactivity: Human

Specificity: This antibody reacts with free as well as bound kappa light chains. Contaminating antibodies have been removed by solid phase absorption.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A20064	2 ml Ready-to-use	\$34.50
A00064	6 ml Ready-to-use	\$67.85
A00064.0025	25 ml Ready-to-use	\$238.05

Ki-67 Antigen

Species: Rabbit Polyclonal
 Clone: Polyclonal
 Species Reactivity: Human

Specificity: This antibody reacts with a nuclear antigen present in proliferating human cells. This antibody cross-reacts with a range of mammalian species.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A20095	2 ml Ready-to-use	\$72.45
A00095	6 ml Ready-to-use	\$144.90
A00095.0025	25 ml Ready-to-use	\$507.15

Lysozyme

Species: Rabbit Polyclonal
 Clone: Polyclonal
 Species Reactivity: Human, Baboon, Monkey, Pig, Cat, Dog, Mouse and Rat.
 Positive Control: Tonsil, colon or skin

Specificity: This polyclonal antibody recognizes a protein, identified as lysozyme, also known as muramidase. This antibody was adsorbed with human plasma and urine proteins to remove the cross-reacting antibodies. Lysozymes synthesized predominantly in reactive histiocytes rather than in resting, unstimulated phagocytes. It labels myeloid cells, histiocytes, granulocytes, macrophages, and monocytes. This antibody is helpful in the identification of myeloid or monocytic nature of acute leukemia.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A20033	2 ml Ready-to-use	\$34.50
A00033	6 ml Ready-to-use	\$67.85
A00033.0025	25 ml Ready-to-use	\$238.05

Myoglobin

Species: Rabbit Polyclonal
 Clone: Polyclonal
 Species Reactivity: Human

Specificity: This antibody reacts with human myoglobin. The antibody stains strongly with the skeletal and cardiac muscles. No non-specific staining with other tissues has been observed.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A20066	2 ml Ready-to-use	\$34.50
A00066	6 ml Ready-to-use	\$67.85
A00066.0025	25 ml Ready-to-use	\$238.05

p40 (DeltaNp63); Polyclonal (Ready-To-Use)

Species: Rabbit
 Clone: Polyclonal
 Isotype: Rabbit IgG
 Species Reactivity: Human.
 Cellular Localization: Nuclear.

Specificity: The new marker p40 (DeltaNp63) is highly specific for squamous basal cells.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A00112-0002	2 ml	\$66.70
A00112-0007	7 ml	\$166.75
A00112-0025	25 ml	\$500.25

PSA (Prostate Specific Antigen)

Species: Rabbit Polyclonal
 Clone: Polyclonal
 MW: 53 kD
 Species Reactivity: Human

Specificity: The antigen used for immunization has been isolated from human seminal fluid. The antibody is well-suited for immunohistochemistry. The performance in ELISA has not been fully investigated. Primary and metastatic prostatic carcinomas show positive staining for PSA, while non-prostatic malignancies do not stain.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A20035	2 ml Ready-to-use	\$34.50
A00035	6 ml Ready-to-use	\$67.85
A00035.0025	25 ml Ready-to-use	\$227.70

S-100; Polyclonal (Ready-To-Use)

Species: Rabbit
 Clone: Polyclonal
 Species Reactivity: Human

Specificity: S-100 from ox brain was used for immunization. This antibody reacts strongly with human S100-A and B. Extensive testing shows that this antibody gives strictly specific S-100 labeling of cryostat as well as formalin-fixed, paraffin-embedded section of human tissue. This antibody labels glial cells in the brain and ependymal cells. Moreover, Schwann cells of the peripheral nervous system are positive. Among tumors of the human central and peripheral nervous system, a positive reaction is seen in schwannomas and ependymomas, as well as in different grades of astroglomas including glioblastomas. A large proportion of cells in human tumors originating from different salivary glands are stainable with anti-S-100. S-100 is present in almost all human benign and malignant melanocytic tumors of the skin and in metastases of human malignant melanomas.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A00036-0002	2 ml	\$34.50
A00036-0007	7 ml	\$67.85
A00036-0025	25 ml	\$227.70

Ubiquitin

Species: Rabbit Polyclonal
 Clone: Polyclonal
 Species Reactivity: Human

Specificity: This antibody detects the presence of intracellular ubiquitinated filamentous inclusions in the periphery of senile plaques and neurofibrillary tangles in Alzheimer's disease and Lewy bodies in Parkinson's disease.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A20038	2 ml Ready-to-use	\$34.50
A00038	6 ml Ready-to-use	\$67.85
A00038.0025	25 ml Ready-to-use	\$227.70

Polyclonal Concentrates**p40 (DeltaNp63); Polyclonal (Concentrate)**

Species: Rabbit
 Clone: Polyclonal
 Isotype: Rabbit IgG
 Species Reactivity: Human.
 Cellular Localization: Nuclear.
 Specificity: The new marker p40 (DeltaNp63) is highly specific for squamous basal cells.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
A00112-C	1 ml	\$396.75

DNA Ploidy Analysis

Blue Feulgen DNA Ploidy Analysis Staining Kit

The Blue Feulgen DNA Ploidy Analysis Staining Kit is a histochemical reagent kit for quantifying the nuclear DNA content in cells. The kit can be used on a variety of specimen types from cytocentrifuge preparations to formalin fixed paraffin embedded tissue sections. A unique formulation eliminates dye precipitation and results in a cleaner stain than conventional Feulgen reagent-based kits. This stain kit is optimized for DNA Ploidy specimens that will be stained then scanned and viewed on image analysis systems.

The basis of the Feulgen staining procedure is the use of an acid hydrolysis step to remove purines from the deoxyribose backbone of the DNA molecule. The newly exposed deoxyribose sugars have an aldehyde group, and this can then be identified by staining with a Schiff reagent (in this case, an aqueous solution of cresyl-violet and sulfurous acid used to test for the presence of aldehydes).

The amount of stain color developed is directly proportional to the amount of DNA present in the stained cells.

Storage: 2-8 deg. C.

Kit Contents: 2 x 500ml Bottles of Ready-To-Use Liquid Stain
10 vials of Decolorizer
10 vials of Rinse Buffer

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
DPK500	1 kit(s)	\$359.95
DPK500-5	5 kit(s)	\$1,569.75

Histology

Equipment (Hist.)

Blue Base for Dissecting Board

To make dissecting more comfortable, this heavy-duty base is used to elevate the DissecTable Board to the right height. The bases are stackable and will not move sideways during the dissecting work. The base will also retain excess fluid if necessary.

Dimensions: 481 mm x 656 mm x 91 mm (19 1/4 x 26 1/4 x 3 5/8 in H)

Catalog Number	Volume	Price
M625	1 ea.	\$108.10

Cassettes in QuickLoad Sleeves

The sleeved cassettes are especially made to be used with ThermoFisher printers. Cassettes with tape are to be used with Leica and Sakura Ink Jet printers. Molded from a special high density acetal polymer, they keep specimens safely submerged and are totally resistant to the chemical action of solvents used in histology laboratories. The efficient flow-through slots maximize fluid exchange and ensure proper reagent drainage.

Catalog Number	Volume	Price
M480-2SL-WHITE	1 ea.	\$167.90
M480-4SL-GREEN	1 ea.	\$167.90
M480-7SL-PEACH	1 ea.	\$167.90
M480-6SL-BLUE	1 ea.	\$167.90
M480-5SL-YELLOW	1 ea.	\$167.90
M480-3SL-PINK	1 ea.	\$167.90
M480-12SL-AQUA	1 ea.	\$167.90
M480-11SL-ORANGE	1 ea.	\$167.90
M480-8SL-TAN	1 ea.	\$167.90
M480-9SL-GRAY	1 ea.	\$167.90
M480-10SL-GRAY	1 ea.	\$167.90

CoreDish for Lower GI Track Biopsies

For lower GI track biopsies. Twelve compartments. An area for patient information is provided. Ten labeled compartments: Proximal Flexure Colon, Hepatic Flexure Colon, Distal Transverse Colon, Ascending Colon, Splenic flexure Colon, Cecum, Decending Colon, Terminal Ileum, Rectum, Sigmoid Colon. Leakproof seal, thanks to O-ring lid, allows for safe and easy transport of the specimens from collection to analysis.

Made of polystyrene.

Qty/Cs 10

Catalog Number	Volume	Price
M971-D12LGI	1 Case(s)	\$81.65
M970-D12LGI-PREFIL	1 Case(s)	\$81.65

CoreDish for Prostate Biopsies

Few recommendations concerning how the biopsies should be handled have been published. Performing a large number of biopsies means an increase in the number of containers handled and consequently a technical overload of the transmission network, which occurs without any financial counterpart. A new approach had to be developed in order to increase productivity.

Simport is proud to offer a multi-compartment container for prostate biopsies. The CoreDish is in the shape of a dish measuring only 15 mm high x 95 mm diameter and is half prefilled with 10% Neutral Buffered Formalin. The screw on lid incorporates an O-ring in order to make it leakproof and protect its contents. The CoreDish conforms to OSHA directives. An area for patient information is provided on the label. Each compartment is clearly identified to allow proper placement and visualization of the prostate biopsy being inserted. Out of eight compartments, six are labeled: Base, Lateral Base, Medial, Lateral Medial, Apex, Lateral Apex.

Thanks to the CoreDish it is no more necessary to use a multitude of individual containers, thereby reducing risks of confusion.

Qty/Cs 10

Catalog Number	Volume	Price
M970-D8P-PREFILLE	1 Case(s)	\$81.65
M971-D8P	1 Case(s)	\$81.65

CoreDish Prostate Biopsy Container with 10% Formalin

Few recommendations concerning how the biopsies should be handled have been published. Performing a large number of biopsies means an increase in the number of containers handled and consequently a technical overload of the transmission network, which occurs without any financial counterpart. A new approach had to be developed in order to increase productivity.

Simport is proud to offer a multi-compartment container for prostate biopsies. The CoreDish is in the shape of a dish measuring only 15 mm high x 95 mm diameter and is half prefilled with 10% Neutral Buffered Formalin. The screw on lid incorporates an O-ring in order to make it leakproof and protect its contents. The CoreDish conforms to OSHA directives. An area for patient information is provided on the label. Each compartment is clearly identified to allow proper placement and visualization of the prostate biopsy being inserted. All twelve compartments are labeled:

L Base, R Base, L Lateral Base, R Lateral Base, L Lateral Medial, L Medial, R Medial, R Lateral Medial, L Lateral Apex, L Apex, R Apex, R Lateral Apex.

Thanks to the CoreDish it is no more necessary to use a multitude of individual containers, thereby reducing risks of confusion.

Made of polystyrene.

Qty/Cs 10

Catalog Number	Volume	Price
M971-D12P	1 Case(s)	\$81.65
M970-D12P-PREFILL	1 Case(s)	\$81.65

CoreDish Upper GI Tract

Upper GI track biopsy container with 10% formalin. For upper GI track biopsies. Eight compartments. An area for patient information is provided. Seven labeled compartments: Gastric Card, Gastric Body, GE Junction, Gastric ATR, Distal Esophage, Pylorus, Duodeum. Leakproof seal, thanks to O-ring lid, allows for safe and easy transport of the specimens from collection to analysis. 10 per case.

Made of polystyrene.

Catalog Number	Volume	Price
M971-D8UGI	1 Case(s)	\$81.65
M970-D8UGI-PREFIL	1 Case(s)	\$81.65

Dissecting Board

A new and unique approach makes this dissecting board more convenient than any other found on the market today. It is no more necessary to buy different sizes as this board offers a large surface on one side and two smaller ones on the other side.

Made of heavy-duty stain resistant thick polyethylene, it will last for years to come without changing shape, bending or swelling. Will not dull fine surgical blades. In order to contain fluids, a drain groove is carved all around the edge of the DissecTable.

On one side, you will find a large cutting area including dimensional scales in inches and centimeters, along with a 60 x 80 mm grid made of 48 x 10 mm squares. Six dimensional circles are also printed from 1/8 to 5/8 in. and 4 to 14 mm in diameter. Flip it over and the other side offers two cutting boards half the size with the same dimensional features printed on each one of them. All corners have rubber feet giving more stability to the working surface.

Dimensions: 575 mm x 400 mm x 12.5 mm (23 x 16 x 1/2 in H)

Catalog Number	Volume	Price
M620	1 ea.	\$131.10

Dissecting Board Jr.

A smaller DissecTable is also available with the same features and benefits as the M620. Perfect for smaller counter area.

Dimensions: 330.2 mm x 279.4 mm x 12.5 mm (13 x 11 x 1/2 in H)

Catalog Number	Volume	Price
M618	1 ea.	\$115.00

EasyDip Slide Staining System

Finally a user-friendly approach for staining your microscope slides, the EasyDip Slide Staining System has two components: a square staining jar and a 12 - position vertical slide rack. Jars can be loosely joined to each other laterally, therefore making sure they are kept in the same order when moved around on the lab counter. As an extra benefit, they are available in 5 different colors to help better identifying contents or applications.

The staining jar being made of resistant acetal plastic will not break like most glass jars do. It will resist most staining agents including alcohol and xylene (but not phenol, iodine or ferric chloride). The wide stable base offers greater stability while the inside is recessed, allowing for a smaller reagent volume of only 80 ml. Easy to clean and no metals to corrode. Ideal for special stains, frozen sections and special processes. Will resist temperatures between -170 C and +121 C. Autoclavable. Dimensions: 64 x 76 x 92 mm H (2 1/2 x 3 x 3 5/8 in. H).

Each case includes 5 jars (one of each color) and 1 rack M905-12DGY.

Catalog Number	Volume	Price
M900-12P-PINK	1 Case(s)	\$78.20
M900-12Y-YELLOW	1 Case(s)	\$78.20
M900-12W-WHITE	1 Case(s)	\$78.20
M900-12B-BLUE	1 Case(s)	\$78.20
M900-12G-GREEN	1 Case(s)	\$78.20
M900-12AS-ASSORT	1 Case(s)	\$90.85

EASYDIP Stainless Steel Holder

Made of Stainless Steel. Will hold up to 6 Jars.

Catalog Number	Volume	Price
M906	1 ea.	\$77.05

Embedding Cassettes

Disposable plastic tissue cassettes are suitable for holding and identifying tissue samples in processing, embedding, and sectioning procedures. The cassettes fit securely in microtome chuck adapters. They are molded from a high density polymer that is totally resistant to the chemical action of histological solvents. These cassettes are designed to accept standard metal lids (cat.# M481) and will keep specimens in complete safety during processing. The slanted writing surface accepts markings easily, permitting sample identification throughout all stages of embedding and long afterwards when in archives. They are available in 11 colors. Each case contains 3 dispenser boxes of 500 cassettes.

Catalog Number	Volume	Price
M480-12-AQUA	1 ea.	\$103.50
M480-2-WHITE	1 ea.	\$103.50
M480-3-PINK	1 ea.	\$103.50
M480-11-ORANGE	1 ea.	\$103.50
M480-10-LILAC	1 ea.	\$103.50
M480-7-PEACH	1 ea.	\$103.50
M480-9-GRAY	1 ea.	\$103.50
M480-5-YELLOW	1 ea.	\$103.50
M480-6-BLUE	1 ea.	\$103.50
M480-4-GREEN	1 ea.	\$103.50
M480-8-TAN	1 ea.	\$103.50

Metal Lid for M480 Cassette

Metal Lid for M480 Cassette.
Qty/Pk 25

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
M481	1 ea.	\$65.55

Slide Master

(An Innovative Immunohistochemistry Humidity Chamber)

ScyTek Laboratories, Inc. proudly introduces SlideMaster. A humidity chamber designed by a histotechnologist that eliminates the majority of individual slide handling.

SlideMaster has three different parts: A humidity chamber, two individual slide holders with white contrast bars, and a waste receptacle. It has been designed so that all three components are compact and easy to use. A maximum of 20 slides can be used per unit.

This is how it works. A hydrophobic barrier (PAP Pen, Catalog #LP0001) is drawn around the tissue section and slides are put in a special slide holder that secures them into place. Drops of antibody are placed on the slides and incubated. After incubation, the individual slide holders can be tilted and secured at a 45 degree angle. All 20 slides are rinsed off in one easy motion and the buffer (PBS-Tween 20, Catalog # ABA125 or TBS-Tween 20, Catalog # TBS125) drains into the waste receptacle. Slides are gently blotted (tissue paper) at the bottom portion of the hydrophobic barrier, which draws off any remaining liquid on the tissue. The slide holders are then placed back in the horizontal position and incubation and rinse steps are repeated in the same fashion.

For chromogen development, the SlideMaster unit has a contrast bar that changes the background from black to white. The black background produces high contrast so that the tissues mounted glass slides can be easily seen, and the white background produces high contrast and allows the technician to monitor the chromogen development. Slides are then rinsed and counterstained and are then ready for coverslipping. SlideMaster is very easy to use. It is light weight and durable.

By making the hydrophobic barrier around the tissue section as small as possible, the total volume of antibody reagent can be significantly reduced per slide. Instead of using 100-200 microliters of antibodies per tissue section usually 50 microliters will completely cover small tissues and 100 microliters will cover larger tissues. With this method, slide staining is much more efficient, more consistent, drying-out of slides is minimized, and the cost of reagents is reduced.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
E00001	1 ea.	\$562.35

Slidefile Storage System 100 Positions

Each SlideFile Storage System includes a slide box and a removable tray. A tinted hinged cover makes the contents of the box easy to see at a glance. The base is available in five different colors to help in slide classification and to minimize the possibility of sample mix-up.

The key to the SlideFile System is a removable tray inside the storage box having a hundred individual numbered slots. All slides are stored upright for easier insertion and removal. Simply tilt them forward and backward with one finger to easily and rapidly pick up the slide you need. A unique feature with this system is to be able to read bar codes without having to remove the slides from the box.

For space saving purposes, you can double the amount of slides simply by storing two slides per slot. For maximum storage space, simply remove the tray and line up 400 slides in 3 rows for long term storage. Will resist temperatures between -80 C and +80 C. Not autoclavable.

Dimensions: 82 x 245 x 86 mm H (3 1/4 x 9 5/8 x 3 3/8 in. H)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
M700-100W-WHITE	1 Case(s)	\$102.35

Stain Tray Slide Staining System

Made of ABS Plastic

Another user friendly approach to immunohistochemistry staining. This tray is also suitable not only for routine staining requiring a humid chamber but is also ideal for Hematology, Cytology and Microbiology laboratories. Manipulation is made safe and easy by using only one hand.

The StainTray has a black base made of tough ABS plastic withstanding a wide range of chemicals (Avoid chlorinated hydrocarbons). It will accept up to 20 slides on four plastic rails covered with a polymer strip to perfectly hold slides even if tray is held at an angle. When humidity is needed, wells between rails will hold up to one ml of water securely without splashing. Middle wells will hold up to 2 ml each. Rails are raised not only to avoid water touching the slides but to make them more easily retrieveable. The base will also hold excess stain solution dripping from the slides. Four rubber feet ensure greater base stability. Units are stackable for space saving purposes.

Two covers are available:

A clear one (M920-1) allowing for visual examination. Made of PETG with a temperature range of -20 C to +60 C.

A black lid (M920-2) for fluorescent work. Made of ABS with a temperature range of -80 C to +80 C.

Dimensions with cover: 38 W x 24 D x 4.5 H cm (15 W x 9 3/8 D x 1 3/4 H in.)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
M920-1	1 Clear	\$271.40
M920-2	1 Black	\$284.05

Vertical Slide Staining Rack Dark Gray

The EasyDip Slide Staining Rack will hold up to 12 microscope slides with dimensions such as 75 x 25 mm, (3 x 1 in.) and even 76 x 26 mm and with a thickness of 1.0 and 1.2 mm. The slides fit into individual slots for free passage and rapid drainage of staining fluids. Since they are placed vertically in the rack and not horizontally, their writing area will not be stained by the fluid, allowing their removal without the use of forceps. The lid completely covers the EasyDip Slide Staining Jar to minimize spill and evaporation. A handle is permanently attached to the rack for easy insertion and removal of slides without your fingers touching the solution. Available in dark gray only. Will resist temperatures between -170 C and +121 C. Autoclavable. Dimensions: 60 x 64 x 97 mm H (2 1/4 x 2 1/2 x 3 3/4 in. H).

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
M905-12DGY	1 Case(s)	\$96.60

Fixing Fluids**Bouin's Fluid**

Is recommended for tissue in general. Bouin (1897). May be used as a substitute for Zenker's Fluid. Bouin's Fluid is a fixative useful for routine procedures. Bouin's Fluid contains formaldehyde for cytoplasmic fixation, and picric acid for chromatin.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
BNF125	125 ml	\$11.50
BNF500	500 ml	\$29.90
BNF999	1000 ml	\$54.05

Formalin (10% Neutral Buffered)

Is recommended as a general fixative for all tissues.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
FRN500	500 ml	\$17.25
FRN999	1000 ml	\$32.20

Hollande's Fixative

Hollande's is a fixative useful for routine procedures. Hollande's contains formaldehyde for cytoplasmic fixation. It is stable and will decalcify small bone specimens. Tissue that is fixed with Hollande's can be stained successfully with most stains, and the cupric acetate in the solution stabilizes red blood cell membranes and eosinophil and endocrine cell granules so that less lysis occurs than with Bouin's solution. Hollande's is widely used as a fixative for biopsy specimens of the gastrointestinal tract.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
HFV500	500 ml	\$36.80
HFV999	1000 ml	\$59.80

Mer/Cure (Stabilized Iodine Solution)

Is a single component reagent for the rapid removal of mercury crystals from tissue sections fixed with mercury containing fluids (ie. B5, or Zenker's).

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
MSI500	500 ml	\$54.05

Newcomer's Fixative

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
NFV500	500 ml	\$29.90
NFV999	1000 ml	\$54.05

Zinc Formalin Solution

Zinc Formalin is a tissue fixative for routine procedures.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
ZFN500	500 ml	\$29.90
ZFN999	1000 ml	\$54.05

Transport Media**CytoPort, Cytology Transport Media**

Is intended for use as a transport media of mammalian cells for subsequent testing. Samples may be transported at room temperature.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
CTM500	500 ml	\$20.70
CTM999	1000 ml	\$39.10

Michel's Transport Fluid

Michel's Transport Fluid is intended for use as a transport media of specimens (such as renal biopsies and lymph nodes) for immunofluorescence studies. Samples may remain in media for up to 5 days at room temperature. This reagent is not a fixative and is not suitable for transporting live cells for flow cytometry. Prior to processing, specimens should be washed in 3 changes of Michel's Transport Wash Buffer (cat.# MTW) for 10 minutes each.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
MTF500	500 ml	\$44.85
MTF999	1000 ml	\$79.35
MTF-10000	10 L	\$639.40
MTF-20000	20 L	\$1,159.20

Michel's Transport Wash Buffer

This reagent is intended for use as a wash buffer for Michel's Transport Fluid. Michel's Transport Fluid is intended for use as a transport media of specimens (such as renal biopsies and lymph nodes) for immunofluorescence studies. Samples may remain in media for up to 5 days at room temperature. This reagent is not a fixative and is not suitable for transporting live cells for flow cytometry. Prior to processing, specimens should be washed in 3 changes of Michel's Transport Wash Buffer for 10 minutes each.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
MTW500	500 ml	\$44.85
MTW999	1000 ml	\$72.45
MTW-10000	10 L	\$616.40
MTW-20000	20 L	\$1,128.15

Nuclear Stains

Bluing Reagent

Is a pH-controlled solution for complete, effective bluing of hematoxylin in histological and cytological procedures.

Catalog Number	Volume	Price
BRT500	500 ml	\$24.15
BRT999	1000 ml	\$46.00
BRT3800	1 Gal.	\$160.00

Differentiating Solution (Acid Alcohol) - 70%

May be used in the removal of excess hematoxylin stain. Reagents contain 3% (v/v) hydrochloric acid in alcohol.

Catalog Number	Volume	Price
DS7500	500 ml	\$36.80
DS7999	1000 ml	\$69.00

Differentiating Solution (Acid Alcohol) - 95%

May be used in the removal of excess hematoxylin stain. Reagents contain 3% (v/v) hydrochloric acid in alcohol.

Catalog Number	Volume	Price
DSN500	500 ml	\$36.80
DSN999	1000 ml	\$69.00

Hematoxylin, For Automation

Produces a crisp blue nuclei. Hematoxylin, For Automation has been specifically formulated for situations in which a lighter blue nuclei is desired (IHC, etc.). This reagent is ideal for use with autostainers.

Catalog Number	Volume	Price
HAQ500	500 ml	\$24.15
HAQ999	1000 ml	\$46.00

Hematoxylin, Mayer's (Lillie's Modification)

Produces a crisp dark blue nuclei. A traditional formulation that results in an excellent quality stain that is more intense than our Hematoxylin, For Automation (catalog# HAQ999). For optimal results, use in combination with Bluing Reagent (catalog# BRT999).

Catalog Number	Volume	Price
HMM125	125 ml	\$16.10
HMM500	500 ml	\$26.45
HMM999	1000 ml	\$50.60
HMM3800	1 Gal.	\$172.50

Hematoxylin, Weigert's Iron Kit

Weigert's Iron Hematoxylin is intended to be used with various special stain kits. Product is supplied as a two component (equal volumes of parts A and B) system that is mixed prior to use and results in black/blue nuclei.

Catalog Number	Volume	Price
HWI-1	250 ml	\$40.25
HWI-2	1000 ml	\$119.60
HWI-3	2000 ml	\$198.95

Methyl Green (Purified) Solution

Single component, Ready-To-Use solution for nuclear staining. Methyl Green (Purified) Solution binds to the DNA resulting in light green nuclei with little or no background staining. This reagent is suitable for use with chromogens that tolerate dehydration and permanent mounting.

Catalog Number	Volume	Price
MGS500	500 ml	\$94.30
MGS999	1000 ml	\$170.20

Methylene Blue Solution

Methylene Blue Solution has been optimized in our research laboratories to give outstanding results when used in various procedures such as the Ziehl-Neelsen, Fite's, and Gram stain. The stain is also suggested for use in staining a variety of bacteria (*Corynebacterium diphtheria*, *Haemophilus influenzae*, *Neisseria*, etc.) and leukocytes. This reagent produces dark blue nuclei with very light blue cytoplasm.

Nuclei:	Dark Blue
Cytoplasm:	Light Blue
<i>Corynebacterium Diphtheria</i> :	Blue Granules
<i>Escherichia Coli</i> :	Blue Rods
<i>Streptococcus Pyogenes</i> :	Blue Cocci

Catalog Number	Volume	Price
MBS125	125 ml	\$29.90
MBS500	500 ml	\$71.30
MBS999	1000 ml	\$115.00

Nuclear Fast Red Solution (Enhanced Stability)

Nuclear Fast Red is a stain with histological applications. The reagent has improved stability over current formulations allowing storage at temperatures ranging from 2-30 Centigrade. Current formulations tend to precipitate in cold temperatures such as experienced during winter shipping. In addition, most formulations develop a small amount of precipitate over extended periods of time. This advanced formulation eliminates problems associated with exposure to cold and aging.

Nuclei:	Red
Cytoplasm:	Pale Pink

Catalog Number	Volume	Price
NFS125	125 ml	\$48.30
NFS500	500 ml	\$96.60
NFS999	1000 ml	\$174.80
NFS3800	1 Gal.	\$434.70

Cytoplasmic Stains

Eosin Y Solution (Alcoholic)

Eosin Y Solution is intended for use in the histological demonstration of cytoplasm and is commonly used as a counterstain for Hematoxylin. When used correctly, various shades of pink can be obtained to aid in visualization of tissue components. Erythrocytes, collagen, and the cytoplasm of muscle or epithelial cells will stain with different shades of pink.

Cytoplasm: Pink to Red
Erythrocytes: Pink to Red
Nuclei: Black/Blue (Hematoxylin)

Catalog Number	Volume	Price
EYA500	500 ml	\$21.85
EYA999	1000 ml	\$41.40
EYA3800	1 Gal.	\$140.30

Eosin Y Solution (Aqueous)

Eosin Y Solution (Aqueous) is intended for use in the histological demonstration of cytoplasm and is commonly used as a counterstain for Hematoxylin. When used correctly, various shades of pink can be obtained to aid in visualization of tissue components. Erythrocytes, collagen, and the cytoplasm of muscle or epithelial cells will stain with different shades of pink.

Cytoplasm: Pink to Red
Erythrocytes: Pink to Red
Nuclei: Black/Blue (Hematoxylin)

Catalog Number	Volume	Price
EYQ500	500 ml	\$27.60
EYQ999	1000 ml	\$52.90
EYQ3800	1 Gal.	\$181.70

Eosin Y Solution (Modified Alcoholic)

Eosin Y Solution (Modified Alcoholic) is intended for use in histology and cytology applications. This newly formulated Eosin provides the benefits of a traditional alcoholic formula with significant improvements in usability. Advantages include lower evaporation rate, better color patterns, reduced tendency to spill over container, hands, and countertops, and improved surface tension to remain on tissue section.

Cytoplasm: Light Pink
Collagen: Pink
Muscle: Pink/Rose
Erythrocytes: Pink/Red

Catalog Number	Volume	Price
EYB500	500 ml	\$21.85
EYB999	1000 ml	\$41.40
EYB3800	1 Gal.	\$140.30

Eosin-Phloxine Solution

Eosin-Phloxine Solution is intended for use in the histological demonstration of cytoplasm. The addition of Phloxine to Eosin results in more vibrant staining than with Eosin alone. When used correctly, Eosin-Phloxine various shades of pink can be obtained to aid in visualization of tissue components.

Cytoplasm: Pink to Red
Erythrocytes: Pink to Red
Alcoholic Hyalin: Pink

Catalog Number	Volume	Price
EPN500	500 ml	\$21.85
EPN999	1000 ml	\$41.40
EPN3800	1 Gal.	\$140.30

OG-6 Solution

OG-6 is a cytologic stain routinely used in diagnostic cytology to aid in the identification and classification of exfoliative cells. The stain is used for examining exfoliative cells of vaginal, cervical, sputum, as well as other body secretions. Commonly used in combination with hematoxylin.

Catalog Number	Volume	Price
OGA500	500 ml	\$17.25
OGA999	1000 ml	\$31.05
OGA3800	1 Gal.	\$106.95

Special Stains

Alcian Blue Solution, pH 0.5

Alcian Blue Solution, pH 0.5 is intended for use in the histological visualization of very strongly sulfated mucosubstances.

Very Strongly Sulfated Mucosubstances: Blue

Catalog Number	Volume	Price
ANB250	250 ml	\$69.00
ANB250	250 ml	\$69.00
ANB500	500 ml	\$109.00
ANB500	500 ml	\$109.00
ANB999	1000 ml	\$202.00
ANB999	1000 ml	\$202.00

Special Stain Kits

Acid Fast Bacteria (AFB) Stain Kit

The Acid Fast Bacteria (AFB) Stain Kit is intended for use in the histological visualization of Acid Fast Bacteria and Tubercle Bacilli. This kit is a rapid 15-minute procedure. The lipid capsule of the acid-fast organism takes up carbol fuchsin and resists decolorization.

Acid Fast Organisms: Bright Red
Background: Light Green

Catalog Number	Volume	Price
FAB-2	30 ml ea.	\$46.00
FAB-1	125 ml ea.	\$93.15
FAB-500	500 ml ea.	\$216.20

Alcian Blue - PAS Stain Kit

The Alcian Blue - PAS Stain Kit is intended for use in the simultaneous histological visualization of sulfated and carboxylated acid mucopolysaccharides, sulfated and carboxylated sialomucins (glycoproteins) and neutral mucins.

Acidic Sulfated Mucosubstances:	Blue
Hyaluronic Acid:	Blue
Sialomucins:	Blue
Neutral Mucins:	Magenta
Mixtures of Acidic and Neutral Mucins:	Blue - Mauve depending on dominant entity.

Catalog Number	Volume	Price
APS-2	100 Slides	\$79.35
APS-1	1 kit(s)	\$159.85

Alcian Blue (pH 0.5) Stain Kit

The Alcian Blue (pH 0.5) Stain Kit is intended for use in the histological visualization of very strongly sulfated mucosubstances.

Very Strongly Sulfated Mucosubstances:	Blue
Nuclei:	Red
Background:	Pink

Catalog Number	Volume	Price
AFS-1	1 kit(s)	\$163.30

Alcian Blue (pH 1.0) Stain Kit

The Alcian Blue (pH 1.0) Stain Kit is intended for use in the histological visualization of strongly sulfated mucosubstances.

Strongly Sulfated Mucosubstances:	Blue
Nuclei:	Red
Background:	Pink

Catalog Number	Volume	Price
AFT-2	1 kit(s)	\$72.45
AFT-1	1 kit(s)	\$163.30

Alcian Blue (pH 2.5) Staining Kit

The Alcian Blue (pH 2.5) Stain Kit is intended for use in the histological visualization of sulfated and carboxylated acid mucopolysaccharides and sulfated and carboxylated sialomucins (glycoproteins).

Acidic Sulfated Mucosubstances:	Blue
Hyaluronic Acid:	Blue
Sialomucins:	Blue
Nuclei:	Red
Background:	Pink

Control: Intestine or Colon.

Contents: Alcian Blue Solution (pH 2.5), 250ml
Acetic Acid Solution, 500ml
Nuclear Fast Red, 250 ml

Catalog Number	Volume	Price
AFR-2	1 kit(s)	\$67.85
AFR-1	1 kit(s)	\$150.65

Amyloid Stain Kit (Congo Red)

The Amyloid Stain Kit (Congo Red) is intended for use in the histological visualization of amyloid in tissue sections. Examination under a polarizing microscope results in green birefringence of amyloid.

Amyloid:	Red to Pink
Erythrocytes:	Light Orange
Eosinophil Granules:	Orange to Red
Nuclei:	Blue

Catalog Number	Volume	Price
AMY-2	1 kit(s)	\$59.80
AMY-1	1 kit(s)	\$119.60

Bielschowsky's Stain Kit (Modified)

The Bielschowsky's Stain Kit (Modified) is designed for histological visualization of nerve fibers, neurofibrillary tangles and senile plaques in Alzheimer's disease.

Axons:	Black
Neurofibrillary Tangles:	Black
Senile Plaques:	Black
Nuclei:	Dark Brown
Background:	Yellow to Light Brown

Catalog Number	Volume	Price
BSK-1	1 kit(s)	\$434.70

Calcium Stain Kit (Modified Von Kossa)

The Calcium Stain Kit (Modified Von Kossa) is intended for use in the histological visualization of calcium deposits in paraffin or frozen sections.

Calcium in mass deposits:	Black
Calcium in dispersed deposits:	Gray
Nuclei:	Red
Cytoplasm:	Light Pink

Catalog Number	Volume	Price
CVK-2	1 kit(s)	\$65.55
CVK-1	1 kit(s)	\$131.10

Colloidal Iron Stain Kit

The Colloidal Iron Stain Kit is designed for the histological visualization of acid mucopolysaccharides.

Acid Mucopolysaccharides:	Bright Blue
Collagen:	Shades of Red

Catalog Number	Volume	Price
CIK-2	100 Slides	\$63.25
CIK-1	1 kit(s)	\$125.35

Copper Stain Kit (For Microwave)

The Copper Stain Kit (For Microwave) is intended for the demonstration of copper deposits in tissue sections.

Copper Deposits:	Light Brown to Red
Nuclei:	Blue

Catalog Number	Volume	Price
CSK-2	1 kit(s)	\$82.80
CSK-1	1 kit(s)	\$166.75

Elastic Stain Kit (Modified Verhoff's)

The Elastic Stain Kit is intended for use in histological demonstration of elastin in tissue sections. Demonstration of elastic tissue is useful in cases of emphysema (atrophy of elastic tissue), arteriosclerosis (thinning and loss of elastic fibers) and various other vascular diseases.

Elastic fibers: Black to Blue/Black
 Nuclei: Blue to Black
 Collagen: Red
 Muscle & Other: Yellow

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
ETS-2	1 kit(s)	\$78.20
ETS-1	1 kit(s)	\$158.70

Eosinophil - Mast Cell Stain Kit

The Eosinophil - Mast Cell Stain Kit is intended for simultaneous visualization of eosinophils and mast cells.

Mast Cells: Bright Blue
 Eosinophils: Bright Red
 Nuclei: Blue

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
CEM-2	1 kit(s)	\$82.80
CEM-1	1 kit(s)	\$166.75

Fite's Stain Kit

The Fite's Stain Kit (For Leprosy) is intended for use in the histological visualization of mycobacterium leprae (leprosy) and Nocardia.

Lepra bacillus: Red
 Nocardia: Red
 Background: Blue

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
FLS-1	125 ml ea.	\$119.60
FLS-500	500 ml ea.	\$296.70

Fontana-Masson Stain Kit (For Argentaffin Cells and Melanin)

The Fontana-Masson Stain Kit is intended for use in the histological visualization of Argentaffin cells and Melanin in paraffin or frozen sections.

Argentaffin Cells: Black
 Melanin: Black
 Nuclei: Red
 Cytoplasm: Light Pink

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
FMS-2	1 kit(s)	\$71.30
FMS-1	1 kit(s)	\$143.75

Geimsa Stain Kit (May-Grunwald)

The Giemsa Stain Kit (May-Grunwald) is intended for use in the visualization of cells present in hematopoietic tissues and certain microorganisms. This kit may be used on formalin-fixed, paraffin-embedded or frozen sections.

Nuclei: Blue/Violet
 Cytoplasm: Light Blue
 Collagen: Pale Pink
 Muscle Fibers: Pale Pink
 Erythrocytes: Gray, Yellow or Pink
 Rickettsia: Reddish-Purple
 Helicobacter Pylori: Blue
 Mast Cells: Dark Blue with Red Granules

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
GMG-2	100 Slides	\$63.25
GMG-1	1 kit(s)	\$126.50

GMS Stain Kit

The Modified Gomori Methenamine-Silver Nitrate Stain (GMS Stain Kit) is intended for use in the histologic visualization of fungi, basement membrane and some opportunistic organisms such as Pneumocystis carinii. Pneumocystis carinii is an opportunistic pathogen that causes severe pulmonary disease in humans, dogs, rats, mice and other vertebrate species with acquired, induced, or inherited immune deficiency syndromes. In addition, this procedure will demonstrate Actinomyces and related species, Nocardia asteroides, and certain encapsulated bacteria.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
CAA-1	1 kit(s)	\$159.85
CAA-500	500 ml ea.	\$623.30
CAA-1000	1000 ml ea.	\$1,133.90

Gram Stain Kit

The Gram Stain Kit is intended for the demonstration and differentiation of Gram-positive and Gram-negative bacteria.

Gram Positive Bacteria: Blue
 Gram Negative Bacteria: Red
 Other Tissue: Yellow
 Nuclei: Red

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
GSK-2	30 ml ea.	\$32.20
GSK-1	125 ml ea.	\$66.70
GSK-500	500 ml ea.	\$258.75

Gram Stain Kit (Modified Brown & Brenn)

The Gram Stain Kit (Modified Brown & Brenn) is intended for the demonstration and differentiation of Gram-positive and Gram-negative bacteria.

Gram Positive Bacteria: Blue
 Gram Negative Bacteria: Red
 Other Tissue: Slightly Yellow - Pink
 Nuclei: Red

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
BBS-2	30 ml ea.	\$33.35
BBS-1	125 ml ea.	\$66.70
BBS-500	500 ml ea.	\$247.25

H. Pylori Rapid Stain (1-Step)

The H. Pylori Rapid Stain (1-Step) is a single component reagent that has been developed to identify helicobacter pylori in a procedure that requires less than 10 minutes to complete. Procedure is effective for fresh, frozen, and paraffin embedded sections. Helicobacter Pylori has been shown to be the causative organism in some gastric ulcers.

H. Pylori: Dark Blue/Purple
 Cytoplasm: Pink to Red
 Background: Violet
 Nuclei: Blue

Catalog Number	Volume	Price
HPS030	30 ml	\$14.95
HPS500	500 ml	\$59.80
HPS999	1000 ml	\$96.60

H. Pylori Rapid Stain Kit

The H. Pylori Rapid Stain Kit is designed for demonstrating Helicobacter Pylori infected tissue. Kit may be used on formalin fixed, paraffin-embedded tissue as well as frozen sections. The Warthin-Starry Stain Kit (WSS-1) is a more sensitive system for H. Pylori and is suggested for cases where total H. Pylori count is low.

Results:
 Helicobacter Pylori: Blue
 Mucin: Yellow
 Background: Light Blue

Catalog Number	Volume	Price
AYH-2	100 Slides	\$98.90
AYH-1	1 kit(s)	\$197.80

Hematoxylin and Eosin Stain Kit

The Hematoxylin and Eosin Stain Kit is intended for use in histology and cytology applications. Included in this kit is a newly formulated Eosin that provides the benefits of a traditional alcoholic formula with significant improvements in usability. Advantages include lower evaporation rate, better color patterns, reduced tendency to spill over container, hands, and countertops, and improved surface tension to remain on tissue section. Our Hematoxylin produces crisp, intense blue nuclei providing optimal contrast to the Eosin stained cytoplasm.

Cytoplasm: Light Pink
 Collagen: Pink
 Muscle: Pink/Rose
 Erythrocytes: Pink/Red
 Nuclei: Blue

Catalog Number	Volume	Price
HAE-2	100 Slides	\$39.00
HAE-1	1 kit(s)	\$78.20

Iron Stain Kit

The Iron Stain Kit is intended for use in the detection of ferric iron in tissues, blood smears, or bone marrow smears. Ferric iron is normally found in small amounts in bone marrow and the spleen. Abnormally large deposits may be seen in hemochromatosis and hemosiderosis. This product is based on the Prussian Blue reaction in which ionic iron reacts with acid ferrocyanide producing a blue color.

Tissue Sections:

Iron: Bright Blue
 Nuclei: Red
 Background: Pink

Catalog Number	Volume	Price
IRN-2	100 Slides	\$59.80
IRN-1	1 kit(s)	\$119.60

Jones Stain Kit (For Basement Membrane)

The Jones Stain Kit is intended for use in histological demonstration of the basement membrane and reticular fibers. This procedure is ideal for staining renal glomerular basement membranes. The main function of the basement membrane and reticular fibers is to provide anchorage and support. They are normally found throughout the body, particularly in the kidney, spleen, and lung.

Basement Membrane: Black
 Reticulum Fibers: Black
 Nuclei: Red
 Cytoplasm: Light Pink

Catalog Number	Volume	Price
JSK-1	1 kit(s)	\$289.80

Luxol Fast Blue Stain Kit

The Luxol Fast Blue Stain Kit is designed for staining myelin/myelinated axons and Nissl substance on formalin fixed, paraffin-embedded tissue as well as frozen tissue. This product is used for identifying the basic neuronal structure in brain or spinal cord sections.

Catalog Number	Volume	Price
LBC-2	1 kit(s)	\$82.80
LBC-1	1 kit(s)	\$139.15

Movat Pentachrome Stain Kit (Modified Russell-Movat)

The Movat Pentachrome Stain Kit (Modified Movat) is intended for use in histological demonstration of collagen, elastin, muscle, mucin and fibrin in tissue sections. This procedure is particularly useful when studying the heart, blood vessels and various vascular diseases.

Elastic Fibers: Black to Blue/Black
 Nuclei: Blue/Black
 Collagen: Yellow
 Reticular Fibers: Yellow
 Mucin: Bright Blue
 Fibrin: Bright Red
 Muscle: Red

Catalog Number	Volume	Price
MPS-2	1 kit(s)	\$163.30
MPS-1	1 kit(s)	\$326.60

Mucicarmine Stain Kit (Modified Southgate's)

Mucicarmine Stain Kit (Modified Southgate's) is intended for use in the histological visualization of acid mucopolysaccharides in tissue sections. This product is useful in distinguishing mucin negative undifferentiated squamous cell lesions from mucin positive adenocarcinomas. In addition, this product will stain the mucopolysaccharide capsule of *Cryptococcus neoformans*.

Mucin: Pink/Red
 Capsule of *Cryptococcus*: Red
 Nuclei: Black/Blue
 Other tissue components: Yellow

Catalog Number	Volume	Price
SMS-2	100 Slides	\$66.70
SMS-1	1 kit(s)	\$131.10

Oil Red O Stain Kit (For Fat)

Oil Red O Stain Kit (For Fat) is intended for use in the histological visualization of fat cells and neutral fat. This kit may be used ONLY on frozen tissue sections, fresh smears, or touch preps.

Fat Cells: Red
 Neutral Fat: Red
 Nuclei: Blue

Catalog Number	Volume	Price
ORK-2	100 Slides	\$78.20
ORK-1	1 kit(s)	\$156.40

Orcein Stain Kit (For Hepatitis B and Elastic Fibers)

The Orcein Stain may be used in histology procedures for the visualization of Hepatitis B surface Antigen (HBsAg), elastic fibers, and copper associated proteins. HBsAg appears as irregular shaped aggregates in the cytoplasmic region of the cells. This reagent may be used on formalin-fixed, paraffin-embedded or frozen sections.

HBsAg: Dark Brown/Purple
 Elastic Fibers: Dark Brown/Purple
 Copper Assoc. Proteins: Dark Purple
 Background: Light Reddish/Purple

Catalog Number	Volume	Price
HBK-2	1 kit(s)	\$112.70
HBK-1	1 kit(s)	\$224.25

Papanicolaou (PAP) Stain Kit

The Papanicolaou (PAP) Stain Kit is designed to differentiate between a variety of cells in vaginal smears for detection of vaginal, uterine and cervical cancer. In addition, this procedure is valuable for staining a variety of other bodily secretions and cell smears. The procedure was developed in the early 1940's by George Papanicolaou.

Nuclei: Blue
 High Keratin Cells: Orange
 Superficial Cells: Pink
 Erythrocytes: Dark Pink
 Parabasal Cells: Blue/Green
 Intermediate Cells: Blue/Green
 Metaplastic Cells: May contain both Blue/Green and Pink.

Catalog Number	Volume	Price
PAP-2	1 kit(s)	\$40.25
PAP-1	1 kit(s)	\$78.20

Periodic Acid Schiff (PAS) Diastase Stain Kit

The Periodic Acid Schiff (PAS) Diastase Stain Kit is intended for use in histological demonstration of lymphocytes and mucopolysaccharides. The α -Amylase digestion step acts on glycogen to break it into smaller sugars that are then washed off the tissue section allowing visual comparison of digested and undigested slides. The PAS reaction in tissue sections is useful for the demonstration of mucopolysaccharides.

PAS Positive Material: Magenta
 Nuclei: Blue

Catalog Number	Volume	Price
PAD-2	1 kit(s)	\$85.10
PAD-1	1 kit(s)	\$169.05

Periodic Acid Schiff (PAS) for Fungus Stain Kit

The Periodic Acid Schiff (PAS) for Fungus Stain Kit is intended for use in histological demonstration of fungal organisms in tissue sections. The PAS reaction is also useful in the demonstration of lymphocytes and mucopolysaccharides. The staining patterns of the lymphocytes are helpful in making therapeutic decisions in established cases of lymphocytic leukemia.

Fungal Organisms: Magenta
 PAS Positive Material: Magenta
 Nuclei: Green/Blue

Catalog Number	Volume	Price
PASF-2	1 kit(s)	\$50.60
PASF-1	1 kit(s)	\$102.35

Periodic Acid Schiff (PAS) Stain Kit

The Periodic Acid Schiff (PAS) Stain Kit is intended for use in histological demonstration of lymphocytes and mucopolysaccharides. The staining pattern of the lymphocytes are helpful in making therapeutic decisions in established cases of lymphocytic leukemia. The PAS reaction in tissue sections is useful for the demonstration of mucopolysaccharides. PAS staining may also be used for the demonstration of fungal organisms in tissue sections.

PAS Positive Material: Magenta
 Nuclei: Black/Blue

Catalog Number	Volume	Price
PAS-2	30 ml ea.	\$52.90
PAS-1	1 kit(s)	\$102.35
PAS-500	500 ml ea.	\$156.40

Picro-Sirius Red Stain Kit (For Cardiac Muscle)

The Picro-Sirius Red Stain Kit (For Cardiac Muscle) is intended for use in the histological visualization of thin septa and collagen fibers. This modification of the Picro-Sirius Red stain eliminates the yellow cytoplasmic staining that can obscure thin collagenous septa. Using this procedure easily allows viewing of collagenous septa as thin as 0.2-0.5 microns. The PSR stain may be viewed using standard light microscopy or polarized light resulting in birefringence of the collagen fibers to distinguish between type I and type III.

Light Microscopy
 Collagen: Red
 Septa: Red
 Cytoplasm: Colorless to Slightly Yellow

Polarized Light Microscopy
 Type I (Thick fibers): Yellow-Orange Birefringence
 Type III (Thin fibers): Green Birefringence

Catalog Number	Volume	Price
SRC-1	1 kit(s)	\$54.05

Picro-Sirius Red Stain Kit (For Collagen)

The Picro-Sirius Red Stain Kit (For Collagen) is intended for use in the histological visualization of collagen I and III fibers in addition to muscle in tissue sections. The PSR stain may be viewed using standard light microscopy or polarized light resulting in birefringence of the collagen fibers to distinguish between type I and type III.

Light Microscopy
 Collagen: Red
 Muscle Fibers: Yellow
 Cytoplasm: Yellow

Polarized Light Microscopy
 Type I (Thick fibers): Yellow-Orange Birefringence
 Type III (Thin fibers): Green Birefringence

Catalog Number	Volume	Price
PSR-2	1 kit(s)	\$27.60
PSR-1	1 kit(s)	\$54.05

Pneumocystis Stain Kit

The Pneumocystis Stain Kit is intended for use in the histological visualization of Pneumocystis carinii in cytology smears, and paraffin or frozen tissue sections.

Pneumocystis carinii: Violet / Purple
 Connective Tissue: Blue / Green
 Erythrocytes: Yellow
 Mucin: Rose / Purple
 Cartilage: Rose / Purple

Catalog Number	Volume	Price
PCS-2	100 Slides	\$63.25
PCS-1	1 kit(s)	\$125.35

PTAH Stain Kit for Microwave

This kit is designed to demonstrate many collagen, fibrin, muscle striations, cilia and glial fibers without using Zenker's Fixative as a mordant.

Muscle Striations, Fibrin: Blue
 Glial Fibers, Cilia: Blue
 Nuclei: Blue
 Collagen, Elastic Fibers: Brownish/Red

Catalog Number	Volume	Price
PTA-2	1 kit(s)	\$78.20
PTA-1	1 kit(s)	\$158.70

Reticulum Stain Kit

The Reticulum Stain Kit is intended for use in histological demonstration of reticular fibers. The main function of reticular fibers is to provide support. They are normally found throughout the body, particularly in liver, lymph node, spleen and kidney. Ammoniacal silver stains are the most commonly used methods for demonstration of reticular fibers.

Reticulum: Black
 Nuclei: Green

Catalog Number	Volume	Price
GRT-2	1 kit(s)	\$98.90
GRT-1	1 kit(s)	\$197.80

Reticulum Stain Kit (Modified Gomori's)

The Reticulum Stain Kit (Modified Gomori's) is intended for use in histological demonstration of reticular fibers. The main function of reticular fibers is to provide support. They are normally found throughout the body, particularly in liver, lymph node, spleen and kidney. Ammoniacal silver stains are the most commonly used methods for demonstration of reticular fibers.

Reticulum: Gray/Black
 Nuclei: Pink/Red

Catalog Number	Volume	Price
GRS-2	100 Slides	\$96.60
GRS-1	1 kit(s)	\$193.20

Steiner Stain Kit (For Spirochetes)

The Steiner Stain Kit (For Spirochetes) is designed for demonstrating Fungi, Helicobacter Pylori, Legionella pneumophila, and Spirochete infected tissue. Kit may be used on formalin fixed, paraffin-embedded tissue as well as frozen sections.

Spirochetes: Black to Brown
 Helicobacter Pylori: Black to Brown
 Fungi: Black to Brown
 Legionella pneumophila: Black to Brown
 Background: Yellow to Tan

Catalog Number	Volume	Price
SSK-1	1 kit(s)	\$143.75

Trichrome Stain Kit (Modified Gomori's)

The Trichrome Stain Kit (Modified Gomori's) is intended for use in the histological visualization of collagenous connective tissue fibers in tissue sections. The Gomori Trichrome is a more simplified procedure than other more traditional trichromes. Additionally, this procedure is useful in the assessment of the degree of fibrosis in liver biopsies.

Collagen: Blue
Muscle Fibers: Red
Nuclei: Black/Blue

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
TRG-2	100 Slides	\$48.30
TRG-1	1 kit(s)	\$95.45
TRG-500	500 ml ea.	\$273.70

Trichrome Stain Kit (Modified Masson's)

The Trichrome Stain Kit (Modified Masson's) is intended for use in histology laboratories for the staining and subsequent visualization of collagenous connective tissue fibers in tissue sections. This Trichrome Special Stain kit may be used on formalin-fixed, paraffin-embedded or frozen sections.

Collagen: Blue
Muscle Fibers: Red
Nuclei: Black/Blue

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
TRM-2	30 ml ea.	\$59.80
TRM-1	125 ml ea.	\$119.60
TRM-500	500 ml ea.	\$358.80

Twort's Counterstain Kit

The Twort's Counterstain Kit is intended for use in histology procedures such as the Gram Stain to provide contrast for easier visualization of various cell components in tissue sections.

Nuclei: Red
Cytoplasm: Light Green

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
TCK-1	1 kit(s)	\$34.50

Warthin-Starry Stain Kit

The Warthin-Starry Stain Kit is intended for use in the visualization of Spirochetes, Helicobacter pylori, Legionella pneumophila, and Cat Scratch Fever bacteria. This kit may be used on formalin-fixed, paraffin-embedded or frozen sections.

Helicobacter pylori: Black
Legionella pneumophila: Black
Spirochetes: Black
Cat Scratch Fever Bacteria: Black
Klebsiella: Brown/Black
Nuclei: Brown
Background: Yellow

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
WSS-1	1 kit(s)	\$143.75

Wright-Giemsa Stain Kit

Wright-Giemsa Stain Kit is intended to be used for differential staining of blood smears, bone marrow and blood parasites.

Erythrocytes: Pink-Tan
Leukocytes: Blue-Purple
Neutrophils: Light Purple granules in cytoplasm.
Eosinophils: Bright Red-Red-Orange granules in cytoplasm.
Basophils: Deep Purple granules in cytoplasm.
Platelets: Violet-Purple granules in light blue cytoplasm.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
WGK-2	1 kit(s)	\$37.95
WGK-1	1 kit(s)	\$74.75

Special Stain Individual Reagents**Acetate Buffer Solution, pH 8.0**

Used in the Microwave Copper Stain.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
SAB500	500 ml	\$36.80
SAB999	1000 ml	\$57.50

Acetic Acid Solution (0.5%)

Acetic Acid 0.5% in DI/Distilled water.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
AAD125	125 ml	\$14.95
AAD250	250 ml	\$18.40
AAD500	500 ml	\$29.90
AAD999	1000 ml	\$52.90

Acetic Acid Solution (1%)

Acetic Acid 1.0% in deionized and distilled water.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
AAE125	125 ml	\$14.95
AAE500	500 ml	\$29.90
AAE999	1000 ml	\$52.90

Acetic Acid Solution (12%)

Acetic Acid 12% in deionized/distilled water.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
AAK500	500 ml	\$36.80
AAK999	1000 ml	\$69.00

Acetic Acid Solution (3%)

Acetic Acid Solution (3%) in deionized and distilled water.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
AAG500	500 ml	\$27.60
AAG999	1000 ml	\$52.90

Acetic Alcohol Solution (2%)

Acetic Acid 2% in ACS reagent grade ethyl alcohol.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
AAF250	250 ml	\$33.35
AAF500	500 ml	\$59.80
AAF999	1000 ml	\$108.10

Acid Alcohol Solution (0.5%)

Catalog Number	Volume	Price
AAL500	500 ml	\$27.60
AAL999	1000 ml	\$52.90

Acid Alcohol Solution (1%)

Used in Fite's Stain Kit (Catalog# FLS-1)

Catalog Number	Volume	Price
AAM500	500 ml	\$27.60
AAM999	1000 ml	\$52.90

Acid Fuchsin (Aqueous)

For staining nuclei and plasma.

Catalog Number	Volume	Price
AFO500	500 ml	\$87.40
AFO999	1000 ml	\$135.70

Acid Fuchsin Solution (0.5%)

For staining nuclei and plasma.

Catalog Number	Volume	Price
AFI500	500 ml	\$87.40
AFI999	1000 ml	\$135.70

Acid Orcein (Alcoholic)

Catalog Number	Volume	Price
AOA500	500 ml	\$87.40
AOA999	1000 ml	\$135.70

Alcian Blue Solution, pH 1.0

Alcian Blue Solution, pH 1.0 is intended for use in the histological visualization of strongly sulfated mucosubstances.

Strongly Sulfated Mucosubstances: Blue

Catalog Number	Volume	Price
ANA250	250 ml	\$79.35
ANA500	500 ml	\$125.35
ANA999	1000 ml	\$232.30

Alcian Blue Solution, pH 2.5

Application: For demonstration of the acid muco polysaccharides.

Results: Acid mucins are colored blue.

Control: Intestine

Catalog Number	Volume	Price
ANC030	30 ml	\$34.50
ANC250	250 ml	\$72.45
ANC500	500 ml	\$108.10
ANC999	1000 ml	\$207.00
ANC3800	1 Gal.	\$695.75

Alcian Yellow Solution

Used in Alcian Yellow for H. Pylori.

Catalog Number	Volume	Price
ANY125	125 ml	\$36.80
ANY500	500 ml	\$87.40
ANY999	1000 ml	\$135.70

Alcohol, Reagent (70%)

Catalog Number	Volume	Price
EAS500	500 ml	\$33.35
EAS999	1000 ml	\$59.80

Aldehyde Fuchsin

Stains mast cells, granules, and B-cells.

Catalog Number	Volume	Price
AFQ500	500 ml	\$56.35
AFQ999	1000 ml	\$87.40

Alpha Amylase Solution (1%)

Component used in the Periodic Acid Schiff (PAS) Diastase Stain Kit (Cat# PAD-1).

Catalog Number	Volume	Price
AAS250	250 ml	\$78.20
AAS500	500 ml	\$141.45
AAS999	1000 ml	\$253.00

Aniline Blue - Orange G

Collagen stain used in Mallory's technique.

Catalog Number	Volume	Price
ABO500	500 ml	\$71.30
ABO999	1000 ml	\$106.95

Aniline Blue Solution

Stains connective tissue and basement membranes. Used in Masson's Trichrome staining procedure (Cat# TRM-1).

Catalog Number	Volume	Price
ABP125	125 ml	\$26.45
ABP500	500 ml	\$71.30
ABP999	1000 ml	\$106.95

Astra Blue Solution

Astra Blue Solution is designed to stain mast cells bright blue.

Catalog Number	Volume	Price
AST125	125 ml	\$65.55
AST500	500 ml	\$158.70

Biebrich Scarlet (0.2%)

Stains connective tissue.

Catalog Number	Volume	Price
BSR500	500 ml	\$43.70
BSR999	1000 ml	\$71.30

Biebrich Scarlet Solution (1.0%)

Stains collagen, reticulum, muscle, and cytoplasm.

Catalog Number	Volume	Price
BST500	500 ml	\$43.70
BST999	1000 ml	\$71.30

Biebrich Scarlet/Acid Fuchsin Solution

Used in Masson's Trichrome.

Catalog Number	Volume	Price
BSU125	125 ml	\$18.40
BSU500	500 ml	\$43.70
BSU999	1000 ml	\$71.30

Bismark Brown Y Solution

Stains cartilage and mucin.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
BBN500	500 ml	\$98.90
BBN999	1000 ml	\$170.20

Borax Solution

Component of GMS Stain Kit (catalog # KAA-1)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
BOR015	15 ml	\$8.05
BOR125	125 ml	\$34.50
BOR500	500 ml	\$81.65
BOR999	1000 ml	\$140.30

Boric Acid - Borate Buffer, pH 8.2

DESCRIPTION: Boric Acid Borate Buffer is commonly used as a buffer in Silver staining procedures in addition to other applications.

CONTENTS: Boric Acid: 0.13M, Sodium Borate: 0.018M in reagent grade water. This product is filtered to 0.2 microns.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
BAB500	500 ml	\$56.35
BAB999	1000 ml	\$87.40

Bouin's Fluid

Is recommended for tissue in general. Bouin (1897). May be used as a substitute for Zenker's Fluid. Bouin's Fluid is a fixative useful for routine procedures. Bouin's Fluid contains formaldehyde for cytoplasmic fixation, and picric acid for chromatin.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
BNF125	125 ml	\$11.50
BNF500	500 ml	\$29.90
BNF999	1000 ml	\$54.05

Brilliant Cresyl Blue (0.3%, Alcoholic)

Stains reticulated cells, and platelets.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
BCA500	500 ml	\$98.90
BCA999	1000 ml	\$156.40

Brilliant Cresyl Blue (1.5% in 0.85% Saline)

Stains reticulated cells and platelets.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
BCS500	500 ml	\$98.90
BCS999	1000 ml	\$156.40

Brilliant Green Counterstain

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
BGC500	500 ml	\$98.90
BGC999	1000 ml	\$156.40

Carbol Fuchsin (Kinyoun's)

The Carbol Fuchsin Solution (Kinyoun's) is intended for use in the histological visualization of Acid Fast Bacteria and Tubercle Bacilli. This reagent is a rapid 2-5 minute procedure. The lipid capsule of the acid-fast organism takes up carbol fuchsin and resists decolorization.

Acid Fast Organisms: Bright Red

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
CFK500	500 ml	\$127.65
CFK999	1000 ml	\$212.75

Carbol Fuchsin Counterstain

Carbol Fuchsin Counterstain is a component of the Gram Stain Kit, catalog # GSK-1.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
CFX125	125 ml	\$40.25
CFX500	500 ml	\$105.80
CFX999	1000 ml	\$146.05

Carbol Fuchsin Solution

A modified Ziehl-Neelson formulation used for staining acid fast bacteria. This stain is a rapid 15-minute procedure. The lipid capsule of the acid-fast organism takes up carbol fuchsin and resists decolorization.

Acid Fast Organisms: Bright Red

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
CFZ125	125 ml	\$40.25
CFZ500	500 ml	\$105.80
CFZ999	1000 ml	\$146.05

Carbol Gentian Violet

Stains acid fast bacteria.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
CGV500	500 ml	\$71.30
CGV999	1000 ml	\$115.00

Chromic Acid Solution

Component of GMS Stain Kit (catalog # KAA-1)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
CHR125	125 ml	\$40.25
CHR500	500 ml	\$110.40
CHR999	1000 ml	\$198.95

Colloidal Iron Stock Solution

Used in the Colloidal Iron staining procedure.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
CIS125	125 ml	\$46.00
CIS500	500 ml	\$111.55
CIS999	1000 ml	\$197.80

Congo Red Solution

Amyloid stain.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
CRA500	500 ml	\$71.30
CRA999	1000 ml	\$115.00

Cresyl Echt Violet (1.0%, Aqueous)

Stains Nissel bodies and basophilia.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
CEB500	500 ml	\$56.35
CEB999	1000 ml	\$87.40

Cresyl Echt Violet Solution (0.1%)

Designed to show selective staining of Nissl granules. Nissl granules are purple, nuclei of neuroglia and endothelial cells are slightly bluer than Nissl granules

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
CEA125	125 ml	\$24.15
CEA500	500 ml	\$56.35
CEA999	1000 ml	\$92.00

Crystal Violet Solution

Stains Nissel granules and basophilia.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
CVA500	500 ml	\$71.30
CVA999	1000 ml	\$115.00

Differentiating Solution (For Orcein Stain)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
DSA125	125 ml	\$24.15
DSA500	500 ml	\$87.40

EA-50 Stain Solution

EA-50 is a cytologic stain routinely used in diagnostic cytology to aid in the identification and classification of exfoliative cells. The stain is used for examining exfoliative cells of vaginal, cervical, sputum, as well as other body secretions. Commonly used in combination with hematoxylin.

Results:

Nuclei: Blue
Cytoplasm: Various shades of Pink or Green.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
EAC500	500 ml	\$34.50
EAC999	1000 ml	\$66.70
EAC3800	1 Gal.	\$150.65

EA-65 Stain Solution

EA-65 is a cytologic stain routinely used in diagnostic cytology to aid in the identification and classification of exfoliative cells. EA-65 is recommended for specimens with large amounts of mucus. The stain is used for examining exfoliative cells of vaginal, cervical, sputum, as well as other body secretions. Commonly used in combination with hematoxylin.

Results:

Nuclei: Blue
Cytoplasm: Various shades of Pink or Green.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
EAD500	500 ml	\$34.50
EAD999	1000 ml	\$66.70
EAD3800	1 Gal.	\$150.65

Eosin Y Solution (Modified Alcoholic)

Eosin Y Solution (Modified Alcoholic) is intended for use in histology and cytology applications. This newly formulated Eosin provides the benefits of a traditional alcoholic formula with significant improvements in usability. Advantages include lower evaporation rate, better color patterns, reduced tendency to spill over container, hands, and countertops, and improved surface tension to remain on tissue section.

Cytoplasm: Light Pink
Collagen: Pink
Muscle: Pink/Rose
Erythrocytes: Pink/Red

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
EYB500	500 ml	\$21.85
EYB999	1000 ml	\$41.40
EYB3800	1 Gal.	\$140.30

Evan's Blue Counterstain

Evan's Blue Counterstain is intended for use in the visualization of cells labeled with FITC or other fluorophore conjugated antibodies by providing an orange/red contrast when excited. Evan's Blue fluoresces with excitation peaks at 470 and 540 nm and an emission peak at 680 nm. In addition, Evan's Blue Counterstain improves overall visualization by quenching background staining.

Cytoplasm: Orange/Red when excited

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
EBC003	3 ml	\$13.80
EBC125	125 ml	\$51.75
EBC500	500 ml	\$124.20

Fast Green Solution

Stains collagen and reticular fibers. Manufactured using certified Fast Green FCF and is provided as a single component, Ready-To-Use reagent.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
FGN125	125 ml	\$18.40
FGN500	500 ml	\$56.35
FGN999	1000 ml	\$87.40

Ferric Ammonium Sulfate Solution (2%)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
FAS125	125 ml	\$33.35
FAS500	500 ml	\$71.30
FAS999	1000 ml	\$128.80

Ferric Ammonium Sulfate Solution (3%)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
FAT125	125 ml	\$28.75

Ferric Chloride (10%, Aqueous)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
FCC125	125 ml	\$24.15
FCC500	500 ml	\$71.30
FCC999	1000 ml	\$115.00

Ferric Chloride (2%) Differentiating Solution

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
FCB125	125 ml	\$18.40
FCB500	500 ml	\$51.75
FCB999	1000 ml	\$79.35

Formalin Solution (20%)

Used in the Reticulum Stain Kit (Cat# GRS-1).

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
FRL125	125 ml	\$16.10
FRL500	500 ml	\$39.10
FRL999	1000 ml	\$62.10

Gelatin (4%), Acidulated

Component of the Warthin-Starry Stain Kit.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
GSA125	125 ml	\$48.30

Gentian Violet Solution

Gentian Violet Solution is the component of the Gram Stain Kit (catalog# GSK-1) that results in blue staining of the Gram Positive Bacteria. Gentian Violet is intended for the demonstration and differentiation of Gram-positive and Gram-negative bacteria.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
GVS125	125 ml	\$40.25
GVS500	500 ml	\$95.45
GVS999	1000 ml	\$151.80

Giemsa Stock Solution

Component of the Giemsa Stain Kit (May Grunwald) for blood smears.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
GG5125	125 ml	\$25.30
GG5500	500 ml	\$59.80
GG5999	1000 ml	\$106.95

Gold Chloride Solution (0.1%)

Used in Gomori's Reticular stain and Gordon & Sweet's Reticular stain.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
GCS125	125 ml	\$123.05
GCS500	500 ml	\$411.70
GCS999	1000 ml	\$658.95

Gold Chloride Solution (0.2%)

Used in a variety of staining procedures.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
GCB125	125 ml	\$123.05
GCB500	500 ml	\$411.70
GCB999	1000 ml	\$783.15

Gram's Decolorizer Solution

Component used in the Gram Stain Kit.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
GDS125	125 ml	\$25.30
GDS500	500 ml	\$62.10
GDS999	1000 ml	\$96.60

Gram's Iodine Solution

Used in the Gram's stain.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
GIN125	125 ml	\$9.20
GIN500	500 ml	\$31.05
GIN999	1000 ml	\$55.20
GIN3800	1 Gal.	\$139.15

Gum Mastic Solution (2.5%)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
GUM125	125 ml	\$31.05
GUM500	500 ml	\$77.05

H. Pylori Rapid Stain (1-Step)

The H. Pylori Rapid Stain (1-Step) is a single component reagent that has been developed to identify helicobacter pylori in a procedure that requires less than 10 minutes to complete. Procedure is effective for fresh, frozen, and paraffin embedded sections. Helicobacter Pylori has been shown to be the causative organism in some gastric ulcers.

H. Pylori:	Dark Blue/Purple
Cytoplasm:	Pink to Red
Background:	Violet
Nuclei:	Blue

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
HPS030	30 ml	\$14.95
HPS500	500 ml	\$59.80
HPS999	1000 ml	\$96.60

Hematoxylin Solution (5%)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
HSV250	250 ml	\$98.90
HSV500	500 ml	\$159.85
HSV999	1000 ml	\$272.55

Hematoxylin, Weigert's Iron Kit

Weigert's Iron Hematoxylin is intended to be used with various special stain kits. Product is supplied as a two component (equal volumes of parts A and B) system that is mixed prior to use and results in black/blue nuclei.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
HWI-1	250 ml	\$40.25
HWI-2	1000 ml	\$119.60
HWI-3	2000 ml	\$198.95

Hydrochloric Acid (1N)

Hydrochloric Acid (1N) manufactured using deionized/distilled water.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
HQA125	125 ml	\$18.40
HQA500	500 ml	\$42.55
HQA999	1000 ml	\$75.90

Hydrochloric Acid Solution (2%)

Hydrochloric Acid (2%) manufactured using deionized/distilled water. A component of the Iron Stain Kit (cat# IRN-1)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
HQB500	500 ml	\$42.55
HQB999	1000 ml	\$75.90

Hydroquinone (1.5gm)

Used in a variety of stain procedures.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
HFS001.5	1.5 gm	\$28.75

Hydroquinone Solution (0.1%), Acidulated

Component of the Warthin-Starry Stain Kit.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
HSA030	30 ml	\$24.15

Jenner Stock Solution

Used in May-Grunwald Giemsa stain.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
JSS500	500 ml	\$71.30
JSS999	1000 ml	\$115.00

Light Green S.F. Yellowish Solution

Light Green S.F. Yellowish Solution is intended for use in histological applications as a general counterstain. When used correctly, various shades of green can be obtained to aid in visualization of tissue components.

Cytoplasm: Light Green
Nuclei: Light Green/Blue

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
LGB500	500 ml	\$71.30
LGB999	1000 ml	\$115.00

Light Green Solution

Light Green Solution is intended for use in histological applications as a general counterstain. When used correctly, various shades of green can be obtained to aid in visualization of tissue components.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
LGA125	125 ml	\$16.10
LGA500	500 ml	\$55.20
LGA999	1000 ml	\$104.65
LGA3800	1 Gal.	\$263.35

Light Green Solution (0.1%)

Light Green Solution (0.1%) is intended for use in histological applications as a counterstain for Grocott's Silver Stain in addition to other procedures. When used correctly, various shades of green can be obtained to aid in visualization of tissue components.

Cytoplasm: Light Green
Nuclei: Light Green/Blue

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
LGD125	125 ml	\$26.45
LGD500	500 ml	\$59.80
LGD999	1000 ml	\$105.80

Lithium Carbonate Solution (0.05%)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
LCQ500	500 ml	\$46.00
LCQ999	1000 ml	\$82.80

Lugol's Iodine Solution

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
LIS125	125 ml	\$24.15
LIS500	500 ml	\$56.35
LIS999	1000 ml	\$102.35

Luxol Fast Blue Solution

Stains myelinated nerve fibers.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
LFB125	125 ml	\$29.90
LFB500	500 ml	\$71.30
LFB999	1000 ml	\$128.80

May-Grunwald Stock Solution

Component of the Giemsa Stain Kit (May-Grunwald) for blood smears.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
MAY125	125 ml	\$25.30
MAY500	500 ml	\$59.80
MAY999	1000 ml	\$106.95

Metanil Yellow (Aqueous Solution)

Cytoplasmic counterstain.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
MYQ500	500 ml	\$71.30
MYQ999	1000 ml	\$115.00
MYQ-10000	10 L	\$986.70

Methenamine Solution

Component of GMS Stain Kit (catalog # KAA-1). Used in a variety of Special Stain procedures.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
MET125	125 ml	\$18.40
MET500	500 ml	\$54.05
MET999	1000 ml	\$93.15

Methyl Green (Purified) Solution

Single component, Ready-To-Use solution for nuclear staining. Methyl Green (Purified) Solution binds to the DNA resulting in light green nuclei with little or no background staining. This reagent is suitable for use with chromogens that tolerate dehydration and permanent mounting.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
MGS500	500 ml	\$94.30
MGS999	1000 ml	\$170.20

Methyl Green Pyronin Solution

The Methyl Green Pyronin Solution is intended for use in the visualization of DNA, RNA, Plasma Cells and Mast Cell Granules.

Nuclei: Blue-Green
 DNA: Blue-Green to Green
 RNA: Red to Violet
 Mast Cell Granules: Red to Violet
 Plasma Cell Cytoplasm: Pink to Violet

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
MGP125	125 ml	\$41.40
MGP500	500 ml	\$121.90
MGP999	1000 ml	\$219.65

Methylene Blue Solution

Methylene Blue Solution has been optimized in our research laboratories to give outstanding results when used in various procedures such as the Ziehl-Neelsen, Fite's, and Gram stain. The stain is also suggested for use in staining a variety of bacteria (Corynebacterium diphtheria, Haemophilus influenzae, Neisseria, etc.) and leukocytes. This reagent produces dark blue nuclei with very light blue cytoplasm.

Nuclei: Dark Blue
 Cytoplasm: Light Blue
 Corynebacterium Diphtheria: Blue Granules
 Escherichia Coli: Blue Rods
 Streptococcus Pyogenes: Blue Cocci

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
MBS125	125 ml	\$29.90
MBS500	500 ml	\$71.30
MBS999	1000 ml	\$115.00

Miller's Stain Solution

Used in the Miller's Elastic Stain.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
MSS125	125 ml	\$40.25
MSS500	500 ml	\$98.90
MSS999	1000 ml	\$146.05

Mucicarmine Solution (Southgate's)

Mucicarmine Solution (Southgate's) is a component of the Mucicarmine Stain Kit (Catalog# SMS-1) and is intended for use in the histological visualization of acid mucopolysaccharides in tissue sections. Mucicarmine Solution is the component responsible for staining Mucin red. This product is useful in distinguishing mucin negative undifferentiated squamous cell lesions from mucin positive adenocarcinomas. In addition, this product will stain the mucopolysaccharide capsule of Cryptococcus neoformans.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
SMG125	125 ml	\$89.70
SMG500	500 ml	\$212.75
SMG999	1000 ml	\$255.30

Naphthol Yellow S Solution

Naphthol Yellow S Solution is a component of the Pneumocystis Stain Kit (Catalog# PCS-1) which is intended for use in the histological visualization of Pneumocystis carinii in cytology smears, and paraffin or frozen tissue sections. Naphthol Yellow S Solution is the component responsible for staining the Erythrocytes yellow.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
NYS125	125 ml	\$59.80
NYS500	500 ml	\$143.75
NYS999	1000 ml	\$230.00

Nuclear Fast Red Solution (Enhanced Stability)

Nuclear Fast Red is a stain with histological applications. The reagent has improved stability over current formulations allowing storage at temperatures ranging from 2-30 Centigrade. Current formulations tend to precipitate in cold temperatures such as experienced during winter shipping. In addition, most formulations develop a small amount of precipitate over extended periods of time. This advanced formulation eliminates problems associated with exposure to cold and aging.

Nuclei: Red
 Cytoplasm: Pale Pink

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
NFS125	125 ml	\$48.30
NFS500	500 ml	\$96.60
NFS999	1000 ml	\$174.80
NFS3800	1 Gal.	\$434.70

OG-6 Solution

OG-6 is a cytologic stain routinely used in diagnostic cytology to aid in the identification and classification of exfoliative cells. The stain is used for examining exfoliative cells of vaginal, cervical, sputum, as well as other body secretions. Commonly used in combination with hematoxylin.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
OGA500	500 ml	\$17.25
OGA999	1000 ml	\$31.05
OGA3800	1 Gal.	\$106.95

Oil Red O Solution

Oil Red O Solution is a component of the Oil Red O Stain Kit (For Fat) (Catalog# ORK-1) intended for use in the histological visualization of fat cells and neutral fat. This kit may be used ONLY on frozen tissue sections, fresh smears, or touch preps.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
ORG125	125 ml	\$25.30
ORG500	500 ml	\$90.85
ORG999	1000 ml	\$171.35

Orcein Solution

Orcein Solution may be used in histology procedures for the visualization of Hepatitis B surface Antigen (HBsAg), elastic fibers, and copper associated proteins. HBsAg appears as irregular shaped aggregates in the cytoplasmic region of the cells. This reagent may be used on formalin-fixed, paraffin-embedded or frozen sections.

HBsAg: Dark Brown/Purple
Elastic Fibers: Dark Brown/Purple
Copper Assoc. Proteins: Dark Purple
Background: Light Reddish/Purple

Catalog Number	Volume	Price
OAA125	125 ml	\$19.55
OAA500	500 ml	\$71.30
OAA999	1000 ml	\$115.00

Oxalic Acid Solution (2.0%)

Catalog Number	Volume	Price
OQB125	125 ml	\$24.15
OQB500	500 ml	\$47.15
OQB999	1000 ml	\$89.70

Oxidizer Solution (For Steiner's Silver Stain)

Component used in Steiner's Silver Stain.

Catalog Number	Volume	Price
SOS125	125 ml	\$29.90
SOS500	500 ml	\$72.45

Periodic Acid Solution

Periodic Acid Solution is a component of the Periodic Acid Schiff's procedure that is intended for use in histological demonstration of lymphocytes and mucopolysaccharides. The staining pattern of the lymphocytes are helpful in making therapeutic decisions in established cases of lymphocytic leukemia. The PAS reaction in tissue sections is useful for the demonstration of mucopolysaccharides. PAS staining may also be used for the demonstration of fungal organisms in tissue sections.

PAS Positive Material: Magenta
Nuclei: Black/Blue (Hematoxylin)

Catalog Number	Volume	Price
PAQ250	250 ml	\$27.60
PAQ500	500 ml	\$52.90
PAQ999	1000 ml	\$101.20

Periodic Acid Solution (0.5%)

Catalog Number	Volume	Price
PAA500	500 ml	\$50.60
PAA999	1000 ml	\$96.60

Phosphate Buffer Solution, pH 6.8

Ready-to-Use solution used in the Giemsa Stain Kit.

Catalog Number	Volume	Price
PBM500	500 ml	\$21.85
PBM999	1000 ml	\$41.40

Phosphomolybdic Acid Solution (0.2%)

Component of the Picro-Sirius Red Stain Kit (For Cardiac Muscle).

Catalog Number	Volume	Price
PQA250	250 ml	\$11.50
PQA500	500 ml	\$23.00
PQA999	1000 ml	\$43.70

Phosphomolybdic/Phosphotungstic Acid Solution

Used in Masson's Trichrome stain.

Catalog Number	Volume	Price
PPA125	125 ml	\$26.45
PPA500	500 ml	\$64.40
PPA999	1000 ml	\$115.00

Phosphotungstic Acid Hematoxylin Solution

This reagent is used in the P.T.A.H. Stain Kit for Microwave to demonstrate collagen, fibrin, muscle striations, cilia and glial fibers.

Catalog Number	Volume	Price
HPA125	125 ml	\$87.40
HPA500	500 ml	\$208.15
HPA999	1000 ml	\$374.90

Phosphotungstic Acid Solution (5.0%)

Catalog Number	Volume	Price
PGC250	250 ml	\$54.05
PGC500	500 ml	\$102.35
PGC999	1000 ml	\$195.50

Picric Acid - Acetone Solution (0.1%)

Component used in the Gram Stain Kit (Modified Brown & Brenn).

Catalog Number	Volume	Price
PAB125	125 ml	\$25.30
PAB500	500 ml	\$41.40
PAB999	1000 ml	\$65.55

Picro-Sirius Red Solution

Catalog Number	Volume	Price
SRS250	250 ml	\$36.80
SRS500	500 ml	\$57.50
SRS999	1000 ml	\$110.40

Potassium Ferrocyanide Solution (3%)

Used in the Colloidal Iron staining procedure.

Catalog Number	Volume	Price
PFD125	125 ml	\$26.45
PFD500	500 ml	\$64.40
PFD999	1000 ml	\$115.00

Potassium Ferrocyanide Solution (5%)

Used in Iron Stain Kit.

Catalog Number	Volume	Price
PFB500	500 ml	\$40.25
PFB999	1000 ml	\$71.30

Potassium Hydroxide Solution (10%)

Used in Reticulum Stain Kit (Cat# GRS-1).

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
PHC500	500 ml	\$39.10
PHC999	1000 ml	\$73.60

Potassium Hydroxide Solution (3M)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
PHA500	500 ml	\$44.85
PHA999	1000 ml	\$85.10

Potassium Metabisulfite Solution (3%)

Used in Reticulum Stain Kit (Cat# GRS-1)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
PMS125	125 ml	\$25.30
PMS500	500 ml	\$62.10
PMS999	1000 ml	\$105.80

Potassium Permanganate Solution (0.5%)

Used in the Reticulum Stain Kit (Cat# GRS-1)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
PPD250	250 ml	\$37.95
PPD500	500 ml	\$71.30
PPD999	1000 ml	\$115.00

Potassium Permanganate Solution (1.0%)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
PPE125	125 ml	\$29.90
PPE500	500 ml	\$71.30
PPE999	1000 ml	\$115.00

Potassium Permanganate Solution (5%)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
PPG030	30 ml	\$18.40
PPG125	125 ml	\$44.85

Propylene Glycol

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
PRG500	500 ml	\$46.00

Rhodanine Solution (Stock)

Used in the Microwave Copper Stain (Catalog# CSK-1).

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
RSS030	30 ml	\$39.10
RSS125	125 ml	\$92.00

Safranin O Solution

Safranin O Solution is commonly used for counterstaining nuclei red (Hucker's Counterstain).

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
SOH250	250 ml	\$44.85
SOH500	500 ml	\$71.30
SOH999	1000 ml	\$115.00

Schiff's Solution

Schiff's Solution is a component of the Periodic Acid Schiff's procedure that is intended for use in histological demonstration of lymphocytes and mucopolysaccharides. The staining pattern of the lymphocytes are helpful in making therapeutic decisions in established cases of lymphocytic leukemia. The PAS reaction in tissue sections is useful for the demonstration of mucopolysaccharides. PAS staining may also be used for the demonstration of fungal organisms in tissue sections.

PAS Positive Material: Magenta
Nuclei: Black/Blue (Hematoxylin)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
SRF250	250 ml	\$27.60
SRF500	500 ml	\$52.90
SRF999	1000 ml	\$101.20

Silver Nitrate Solution (0.2%)

Component of the various special stain procedures.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
SNS125	125 ml	\$26.45
SNS500	500 ml	\$81.65
SNS999	1000 ml	\$148.35

Silver Nitrate Solution (0.5%), Acidulated

Component of Warthin-Starry Stain Kit.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
SNB125	125 ml	\$57.50

Silver Nitrate Solution (1%)

Component of Steiner's Silver Stain Kit (cat# SSK-1)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
SNY125	125 ml	\$59.80
SNY500	500 ml	\$143.75

Silver Nitrate Solution (10%)

Used in various staining procedures.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
SNX009	9 ml	\$13.80
SNX065	65 ml	\$54.05
SNX125	125 ml	\$90.85
SNX500	500 ml	\$326.60

Silver Nitrate Solution (2%), Acidulated

Component of Warthin-Starry Stain Kit.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
SNA030	30 ml	\$46.00

Silver Nitrate Solution (5%)

Reagent used in various staining procedures.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
SNV125	125 ml	\$59.80
SNV500	500 ml	\$217.35

Sodium Bisulfite Solution

Component of GMS Stain Kit (catalog # KAA-1)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
SBC125	125 ml	\$17.25
SBC500	500 ml	\$40.25
SBC999	1000 ml	\$72.45

Sodium Hydroxide Solution (1.0%)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
SHA500	500 ml	\$71.30
SHA999	1000 ml	\$115.00

Sodium Hydroxide Solution (3.0%)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
SHC125	125 ml	\$29.90
SHC500	500 ml	\$71.30
SHC999	1000 ml	\$115.00

Sodium Metabisulfite Solution (5%)

Sodium Metabisulfite Solution (5%) is a component used in the H. Pylori Rapid Stain Kit (Cat# AYH-1).

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
SME125	125 ml	\$23.00
SME500	500 ml	\$54.05
SME999	1000 ml	\$87.40

Sodium Thiosulfate Solution (5%)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
STB125	125 ml	\$13.80
STB500	500 ml	\$48.30
STB999	1000 ml	\$92.00

SpiroPrep

Component of the Warthin-Starry Stain Kit.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
SSE125	125 ml	\$40.25
SSE500	500 ml	\$95.45
SSE999	1000 ml	\$151.80

Sulfuric Acid Solution (1%)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
SAS500	500 ml	\$20.70
SAS999	1000 ml	\$27.60

Sulfuric Acid Solution (1N)

Sulfuric Acid Solution (1N) manufactured using deionized/distilled water.

Used in the Reticulum Stain Kit (Cat# GRS-1)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
SAQ125	125 ml	\$11.50
SAQ500	500 ml	\$19.55
SAQ999	1000 ml	\$28.75

Tartrazine Solution

Tartrazine Solution is intended for use as a general counterstain in a variety of procedures such as Mucicarmine and Gram stain. Tartrazine provides a light yellow background to aid in the visualization of other stains.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
TZQ125	125 ml	\$21.85
TZQ500	500 ml	\$71.30
TZQ999	1000 ml	\$115.00

Toluidine Blue Solution (1% Aqueous)

Toluidine Blue Solution is designed for metachromatic staining of acidic substances.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
TQF125	125 ml	\$41.40
TQF500	500 ml	\$98.90
TQF999	1000 ml	\$170.20

Trichrome Stain (Blue)

Trichrome Stain (Blue) is a stain with histological applications resulting in muscle fibers staining red, and collagen a bright blue.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
TGB125	125 ml	\$24.15
TGB500	500 ml	\$66.70
TGB999	1000 ml	\$125.35

Trichrome Stain Solution (Green)

The Trichrome Stain Solution (Green) is a component of the Trichrome Stain Kit (Modified Gomori's) and is intended for use in the histological visualization of collagenous connective tissue fibers in tissue sections.

Collagen: Green
Muscle Fibers: Red
Nuclei: Black/Blue (Hematoxylin)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
TGG125	125 ml	\$46.00
TGG500	500 ml	\$71.30
TGG999	1000 ml	\$115.00

Turk's Solution

Turk's Solution is intended for use in counting leukocytes in a defined volume of blood. Erythrocytes are hemolyzed while leukocytes are stained for easy visualization.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
TRK125	125 ml	\$46.00
TRK500	500 ml	\$113.85

Twort's Counterstain Kit

The Twort's Counterstain Kit is intended for use in histology procedures such as the Gram Stain to provide contrast for easier visualization of various cell components in tissue sections.

Nuclei: Red
Cytoplasm: Light Green

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
TCK-1	1 kit(s)	\$34.50

Van Gieson's Solution

The Van Gieson's Solution is intended for use in the histological visualization of collagen in tissue sections. This reagent is used in many special stain procedures including the Colloidal Iron Stain Kit and the Elastic Stain Kit (Modified Verhoff's).

Collagen: Red
Muscle Fibers: Yellow
Cytoplasm: Yellow

Catalog Number	Volume	Price
VGS125	125 ml	\$18.40
VGS500	500 ml	\$42.55
VGS999	1000 ml	\$79.35

Wright-Giemsa Solution

The Wright-Giemsa Solution is intended for differential staining of blood smears and blood parasites. Use in conjunction with Phosphate Buffer Solution pH 6.8 (cat.# PBM)

Catalog Number	Volume	Price
WGS500	500 ml	\$46.00
WGS999	1000 ml	\$74.75
WGS3800	1 Gal.	\$169.05

Xylene - Peanut Oil Solution

Used in Fite's Acid-Fast stain for leprosy organisms.

Catalog Number	Volume	Price
XPO125	125 ml	\$26.45
XPO500	500 ml	\$64.40
XPO999	1000 ml	\$102.35

Zinc Chloride Solution (10%)

Component of the P.T.A.H. Stain Kit for Microwave (Cat# PTA-1).

Catalog Number	Volume	Price
ZCS500	500 ml	\$66.70
ZCS999	1000 ml	\$119.60

Zinc Formalin Solution

Zinc Formalin is a tissue fixative for routine procedures.

Catalog Number	Volume	Price
ZFN500	500 ml	\$29.90
ZFN999	1000 ml	\$54.05

Special Stain Control Slides**Alcian Blue (Control Slides)**

Catalog Number	Volume	Price
TCS0002-5	5 Slides	\$34.50
TCS0002-25	25 Slides	\$131.10
TCS0002-100	100 Slides	\$471.50

Amyloid (Control Slides)

Catalog Number	Volume	Price
TCS0003-5	5 Slides	\$34.50
TCS0003-25	25 Slides	\$131.10
TCS0003-100	100 Slides	\$471.50

Argentaffin (Control Slides)

Catalog Number	Volume	Price
TCS0004-5	5 Slides	\$34.50
TCS0004-25	25 Slides	\$131.10
TCS0004-100	100 Slides	\$471.50

Bielschowsky's (Control Slides)

Catalog Number	Volume	Price
TCS0006-5	5 Slides	\$34.50
TCS0006-25	25 Slides	\$131.10
TCS0006-100	100 Slides	\$471.50

Calcium (Control Slides)

Catalog Number	Volume	Price
TCS0007-5	5 Slides	\$34.50
TCS0007-25	25 Slides	\$131.10
TCS0007-100	100 Slides	\$471.50

Elastic (Control Slides)

Catalog Number	Volume	Price
TCS0008-5	5 Slides	\$34.50
TCS0008-25	25 Slides	\$131.10
TCS0008-100	100 Slides	\$471.50

Fungus (Control Slides)

Human.
Natural disease state (where applicable).
May contain: Aspergillus, Coccidioidomycosis, Microsporidia, or other fungi
Paraffin embedded.

Catalog Number	Volume	Price
TCS0005-5	5 Slides	\$34.50
TCS0005-25	25 Slides	\$131.10
TCS0005-100	100 Slides	\$471.50

Helicobacter Pylori (Control Slides)

Catalog Number	Volume	Price
TCS0011-5	5 Slides	\$34.50
TCS0011-25	25 Slides	\$131.10
TCS0011-100	100 Slides	\$471.50

Iron - Liver (Control Slides)

Catalog Number	Volume	Price
TCS0013-5	5 Slides	\$34.50
TCS0013-25	25 Slides	\$131.10
TCS0013-100	100 Slides	\$471.50

Mast Cell (Control Slides)

Catalog Number	Volume	Price
TCS0014-5	5 Slides	\$34.50
TCS0014-25	25 Slides	\$131.10
TCS0014-100	100 Slides	\$471.50

Melanin (Control Slides)

Catalog Number	Volume	Price
TCS0015-5	5 Slides	\$34.50
TCS0015-25	25 Slides	\$131.10
TCS0015-100	100 Slides	\$471.50

Slide Master (Hist.)

Mucin (Control Slides)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
TCS0016-5	5 Slides	\$34.50
TCS0016-25	25 Slides	\$131.10
TCS0016-100	100 Slides	\$471.50

PAS/Glycogen (Control Slides)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
TCS0017-5	5 Slides	\$34.50
TCS0017-25	25 Slides	\$131.10
TCS0017-100	100 Slides	\$471.50

PAS/Glycogen, For Digestion (Control Slides)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
TCS0024-5	5 Slides	\$34.50
TCS0024-25	25 Slides	\$131.10
TCS0024-100	100 Slides	\$471.50

Reticulum (Control Slides)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
TCS0019-5	5 Slides	\$34.50
TCS0019-25	25 Slides	\$131.10
TCS0019-100	100 Slides	\$471.50

Trichrome - Colon (Control Slides)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
TCS0021-5	5 Slides	\$34.50
TCS0021-25	25 Slides	\$131.10
TCS0021-100	100 Slides	\$471.50

Trichrome - Liver (Control Slides)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
TCS0022-5	5 Slides	\$34.50
TCS0022-25	25 Slides	\$131.10
TCS0022-100	100 Slides	\$471.50

EasyDip Slide Staining System

Finally a user-friendly approach for staining your microscope slides, the EasyDip Slide Staining System has two components: a square staining jar and a 12 - position vertical slide rack. Jars can be loosely joined to each other laterally, therefore making sure they are kept in the same order when moved around on the lab counter. As an extra benefit, they are available in 5 different colors to help better identifying contents or applications.

The staining jar being made of resistant acetal plastic will not break like most glass jars do. It will resist most staining agents including alcohol and xylene (but not phenol, iodine or ferric chloride). The wide stable base offers greater stability while the inside is recessed, allowing for a smaller reagent volume of only 80 ml. Easy to clean and no metals to corrode. Ideal for special stains, frozen sections and special processes. Will resist temperatures between -170 C and +121 C. Autoclavable. Dimensions: 64 x 76 x 92 mm H (2 1/2 x 3 x 3 5/8 in. H).

Each case includes 5 jars (one of each color) and 1 rack M905-12DGY.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
M900-12B-BLUE	1 Case(s)	\$78.20
M900-12Y-YELLOW	1 Case(s)	\$78.20
M900-12G-GREEN	1 Case(s)	\$78.20
M900-12W-WHITE	1 Case(s)	\$78.20
M900-12P-PINK	1 Case(s)	\$78.20
M900-12AS-ASSORT	1 Case(s)	\$90.85

EASYDIP Stainless Steel Holder

Made of Stainless Steel. Will hold up to 6 Jars.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
M906	1 ea.	\$77.05

Slide Master

(An Innovative Immunohistochemistry Humidity Chamber)

ScyTek Laboratories, Inc. proudly introduces SlideMaster. A humidity chamber designed by a histotechnologist that eliminates the majority of individual slide handling.

SlideMaster has three different parts: A humidity chamber, two individual slide holders with white contrast bars, and a waste receptacle. It has been designed so that all three components are compact and easy to use. A maximum of 20 slides can be used per unit.

This is how it works. A hydrophobic barrier (PAP Pen, Catalog #LP0001) is drawn around the tissue section and slides are put in a special slide holder that secures them into place. Drops of antibody are placed on the slides and incubated. After incubation, the individual slide holders can be tilted and secured at a 45 degree angle. All 20 slides are rinsed off in one easy motion and the buffer (PBS-Tween 20, Catalog # ABA125 or TBS-Tween 20, Catalog # TBS125) drains into the waste receptacle. Slides are gently blotted (tissue paper) at the bottom portion of the hydrophobic barrier, which draws off any remaining liquid on the tissue. The slide holders are then placed back in the horizontal position and incubation and rinse steps are repeated in the same fashion.

For chromogen development, the SlideMaster unit has a contrast bar that changes the background from black to white. The black background produces high contrast so that the tissues mounted glass slides can be easily seen, and the white background produces high contrast and allows the technician to monitor the chromogen development. Slides are then rinsed and counterstained and are then ready for coverslipping. SlideMaster is very easy to use. It is light weight and durable.

By making the hydrophobic barrier around the tissue section as small as possible, the total volume of antibody reagent can be significantly reduced per slide. Instead of using 100-200 microliters of antibodies per tissue section usually 50 microliters will completely cover small tissues and 100 microliters will cover larger tissues. With this method, slide staining is much more efficient, more consistent, drying-out of slides is minimized, and the cost of reagents is reduced.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
E00001	1 ea.	\$562.35

Slidefile Storage System 100 Positions

Each SlideFile Storage System includes a slide box and a removable tray. A tinted hinged cover makes the contents of the box easy to see at a glance. The base is available in five different colors to help in slide classification and to minimize the possibility of sample mix-up.

The key to the SlideFile System is a removable tray inside the storage box having a hundred individual numbered slots. All slides are stored upright for easier insertion and removal. Simply tilt them forward and backward with one finger to easily and rapidly pick up the slide you need. A unique feature with this system is to be able to read bar codes without having to remove the slides from the box.

For space saving purposes, you can double the amount of slides simply by storing two slides per slot. For maximum storage space, simply remove the tray and line up 400 slides in 3 rows for long term storage. Will resist temperatures between -80 C and +80 C. Not autoclavable.

Dimensions: 82 x 245 x 86 mm H (3 1/4 x 9 5/8 x 3 3/8 in. H)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
M700-100W-WHITE	1 Case(s)	\$102.35

Stain Tray Slide Staining System

Made of ABS Plastic

Another user friendly approach to immunohistochemistry staining. This tray is also suitable not only for routine staining requiring a humid chamber but is also ideal for Hematology, Cytology and Microbiology laboratories. Manipulation is made safe and easy by using only one hand.

The StainTray has a black base made of tough ABS plastic withstanding a wide range of chemicals (Avoid chlorinated hydrocarbons). It will accept up to 20 slides on four plastic rails covered with a polymer strip to perfectly hold slides even if tray is held at an angle. When humidity is needed, wells between rails will hold up to one ml of water securely without splashing. Middle wells will hold up to 2 ml each. Rails are raised not only to avoid water touching the slides but to make them more easily retrieveable. The base will also hold excess stain solution dripping from the slides. Four rubber feet ensure greater base stability. Units are stackable for space saving purposes.

Two covers are available:

A clear one (M920-1) allowing for visual examination. Made of PETG with a temperature range of -20 C to +60 C.

A black lid (M920-2) for fluorescent work. Made of ABS with a temperature range of -80 C to +80 C.

Dimensions with cover: 38 W x 24 D x 4.5 H cm (15 W x 9 3/8 D x 1 3/4 H in.)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
M920-1	1 Clear	\$271.40
M920-2	1 Black	\$284.05

Vertical Slide Staining Rack Dark Gray

The EasyDip Slide Staining Rack will hold up to 12 microscope slides with dimensions such as 75 x 25 mm, (3 x 1 in.) and even 76 x 26 mm and with a thickness of 1.0 and 1.2 mm. The slides fit into individual slots for free passage and rapid drainage of staining fluids. Since they are placed vertically in the rack and not horizontally, their writing area will not be stained by the fluid, allowing their removal without the use of forceps. The lid completely covers the EasyDip Slide Staining Jar to minimize spill and evaporation. A handle is permanently attached to the rack for easy insertion and removal of slides without your fingers touching the solution. Available in dark gray only. Will resist temperatures between -170 C and +121 C. Autoclavable. Dimensions: 60 x 64 x 97 mm H (2 1/4 x 2 1/2 x 3 3/4 in. H).

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
M905-12DGY	1 Case(s)	\$96.60

Ancillary (Hist.)**Methanol**

For various laboratory procedures.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
MTH500	500 ml	\$59.80
MTH999	1000 ml	\$96.60
MTH3800	1 Gal.	\$144.90

Wash Solution Concentrate (50X)

Wash Solution Concentrate (50x) is designed to provide optimal rinsing of routine or special stains between steps. In addition, this reagent can be used as a dilution buffer for most aqueous stains. This product is compatible with hand staining procedures and most automated systems.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
WSC999	1000 ml	\$102.35

Water, Deionized/Distilled

Water for use in laboratory procedures has been deionized, distilled and filtered at 0.2 micrometer for critical assays.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
DDH999	1000 ml	\$23.00
DDH3800	1 Gal.	\$57.50
DDH-20000	20 L	\$74.75

Mounting Media (H & C)**Aqueous Mount**

Is formulated for coverslipping sections stained with alcohol soluble chromogens, such as Fast-Red or AEC. Available in convenient dropper top bottles. Coverslips can be removed by soaking in water. No heating is required before use.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
AMT030	30 ml	\$23.00
AMT060	60 ml	\$43.70
AMT500	500 ml	\$212.75
AMT999	1000 ml	\$354.20

Aqueous Mount (Low Viscosity)

Is formulated for coverslipping sections stained with alcohol soluble chromogens, such as Fast-Red or AEC. Available in convenient dropper top bottles. Coverslips can be removed by soaking in water. No heating is required before use. Flows more freely than AMT.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
AML030	30 ml	\$23.00
AML060	60 ml	\$43.70
AML500	500 ml	\$212.75
AML999	1000 ml	\$354.20

Buffered Glycerol Mounting Media

Buffered glycerol for mounting fluorescent slides.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
GMM003	3 ml	\$13.80
GMM030	30 ml	\$26.45
GMM500	500 ml	\$159.85
GMM999	1000 ml	\$251.85

FluoreGuard Mounting Medium

FluoreGuard Mounting Medium is a water-soluble medium designed for semi-permanent coverslipping of fluorescent slide preparations. FluoreGuard dries to a semi-rigid layer which eliminates tissue damage due to moving coverslips and facilitates long term storage.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
FMM030	30 ml	\$46.00
FMM060	60 ml	\$66.70
FMM500	500 ml	\$299.00
FMM999	1000 ml	\$497.95

FluoreGuard Mounting Medium (Hard Set)

FluoreGuard Mounting Medium (Hard Set) is a water-soluble medium designed for semi-permanent coverslipping of fluorescent slide preparations. FluoreGuard dries to a semi-rigid layer which eliminates tissue damage due to moving coverslips and facilitates long term storage.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
FMH030	30 ml	\$46.00
FMH060	60 ml	\$66.70
FMH500	500 ml	\$299.00
FMH999	1000 ml	\$497.95

Permanent Mounting Media (Aqueous)

AEC and Fast Red are the most commonly used chromogens for peroxidase and alkaline phosphatase based immunostaining systems respectively. However, slides stained with these chromogens cannot be stored permanently. Permanent Mounting Medium (Aqueous) has been designed to overcome this limitation. This product is an aqueous mounting medium with a very high refractive index, which when applied to the stained tissue sections can store the tissue specimens permanently without fading of the chromogens. Because of the superior refractive index, tissues mounted in this medium look like dehydrated specimens. No coverslipping is required. However, if coverslipping is desired, dry slides can be post mounted using an organic based mounting medium. Advantages of this product include: no coverslip, no exposure to the organic fumes, permanent storage of slides and high resolution of tissue specimens. This reagent is compatible with AEC, DAB, Fast Red, BCIP/NBT, BCIP/INT and fluorescent dyes like FITC and phycobiliproteins. High pH ensures increased stability of fluorescence.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
PMT030	30 ml	\$43.70

Miscellaneous (H & C)

KP Marker Plus

Klinipath KP Marker Plus is a solvent resistant marking pen for permanent writing on glass slides, cassettes and other items in the laboratory. One box contains 12 pens.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
KPM-1	12 Pen(s)	\$72.45

PAP Pen

This marking pen has been designed to provide a thin film-like barrier when a circle is drawn around the specimen on a slide. This barrier creates the proper surface tension to hold an antibody solution within the target area on the slide. PAP Pen contains a special formulation which is insoluble in alcohol and acetone. It can be removed, if desired, by xylene after the staining procedure is completed.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
LP0001	1 ea.	\$87.40

PAP Pen-Mini

This marking pen has been designed to provide a thin film-like barrier when a circle is drawn around the specimen on a slide. This barrier creates the proper surface tension to hold an antibody solution within the target area on the slide. PAP Pen contains a special formulation which is insoluble in alcohol and acetone. It can be removed, if desired, by xylene after the staining procedure is completed.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
LP0002	1 ea.	\$56.35

Cytology

Kits (Cyt.)

Papanicolaou (PAP) Stain Kit

The Papanicolaou (PAP) Stain Kit is designed to differentiate between a variety of cells in vaginal smears for detection of vaginal, uterine and cervical cancer. In addition, this procedure is valuable for staining a variety of other bodily secretions and cell smears. The procedure was developed in the early 1940's by George Papanicolaou.

Nuclei:	Blue
High Keratin Cells:	Orange
Superficial Cells:	Pink
Erythrocytes:	Dark Pink
Parabasal Cells:	Blue/Green
Intermediate Cells:	Blue/Green
Metaplastic Cells:	May contain both Blue/Green and Pink.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
PAP-2	1 kit(s)	\$40.25
PAP-1	1 kit(s)	\$78.20

Individual Reagents (Cyt.)

Bluing Reagent

Is a pH-controlled solution for complete, effective bluing of hematoxylin in histological and cytological procedures.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
BRT500	500 ml	\$24.15
BRT999	1000 ml	\$46.00
BRT3800	1 Gal.	\$160.00

EA-50 Stain Solution

EA-50 is a cytologic stain routinely used in diagnostic cytology to aid in the identification and classification of exfoliative cells. The stain is used for examining exfoliative cells of vaginal, cervical, sputum, as well as other body secretions. Commonly used in combination with hematoxylin.

Results:

Nuclei:	Blue
Cytoplasm:	Various shades of Pink or Green.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
EAC500	500 ml	\$34.50
EAC999	1000 ml	\$66.70
EAC3800	1 Gal.	\$150.65

EA-65 Stain Solution

EA-65 is a cytologic stain routinely used in diagnostic cytology to aid in the identification and classification of exfoliative cells. EA-65 is recommended for specimens with large amounts of mucus. The stain is used for examining exfoliative cells of vaginal, cervical, sputum, as well as other body secretions. Commonly used in combination with hematoxylin.

Results:

Nuclei:	Blue
Cytoplasm:	Various shades of Pink or Green.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
EAD500	500 ml	\$34.50
EAD999	1000 ml	\$66.70
EAD3800	1 Gal.	\$150.65

Eosin Y Solution (Alcoholic)

Eosin Y Solution is intended for use in the histological demonstration of cytoplasm and is commonly used as a counterstain for Hematoxylin. When used correctly, various shades of pink can be obtained to aid in visualization of tissue components. Erythrocytes, collagen, and the cytoplasm of muscle or epithelial cells will stain with different shades of pink.

Cytoplasm:	Pink to Red
Erythrocytes:	Pink to Red
Nuclei:	Black/Blue (Hematoxylin)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
EYA500	500 ml	\$21.85
EYA999	1000 ml	\$41.40
EYA3800	1 Gal.	\$140.30

Eosin Y Solution (Aqueous)

Eosin Y Solution (Aqueous) is intended for use in the histological demonstration of cytoplasm and is commonly used as a counterstain for Hematoxylin. When used correctly, various shades of pink can be obtained to aid in visualization of tissue components. Erythrocytes, collagen, and the cytoplasm of muscle or epithelial cells will stain with different shades of pink.

Cytoplasm:	Pink to Red
Erythrocytes:	Pink to Red
Nuclei:	Black/Blue (Hematoxylin)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
EYQ500	500 ml	\$27.60
EYQ999	1000 ml	\$52.90
EYQ3800	1 Gal.	\$181.70

Eosin Y Solution (Modified Alcoholic)

Eosin Y Solution (Modified Alcoholic) is intended for use in histology and cytology applications. This newly formulated Eosin provides the benefits of a traditional alcoholic formula with significant improvements in usability. Advantages include lower evaporation rate, better color patterns, reduced tendency to spill over container, hands, and countertops, and improved surface tension to remain on tissue section.

Cytoplasm: Light Pink
Collagen: Pink
Muscle: Pink/Rose
Erythrocytes: Pink/Red

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
EYB500	500 ml	\$21.85
EYB999	1000 ml	\$41.40
EYB3800	1 Gal.	\$140.30

Eosin-Phloxine Solution

Eosin-Phloxine Solution is intended for use in the histological demonstration of cytoplasm. The addition of Phloxine to Eosin results in more vibrant staining than with Eosin alone. When used correctly, Eosin-Phloxine various shades of pink can be obtained to aid in visualization of tissue components.

Cytoplasm: Pink to Red
Erythrocytes: Pink to Red
Alcoholic Hyalin: Pink

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
EPN500	500 ml	\$21.85
EPN999	1000 ml	\$41.40
EPN3800	1 Gal.	\$140.30

Hematoxylin, Mayer's (Lillie's Modification)

Produces a crisp dark blue nuclei. A traditional formulation that results in an excellent quality stain that is more intense than our Hematoxylin, For Automation (catalog# HAQ999). For optimal results, use in combination with Bluing Reagent (catalog# BRT999).

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
HMM125	125 ml	\$16.10
HMM500	500 ml	\$26.45
HMM999	1000 ml	\$50.60
HMM3800	1 Gal.	\$172.50

Hematoxylin, Weigert's Iron Kit

Weigert's Iron Hematoxylin is intended to be used with various special stain kits. Product is supplied as a two component (equal volumes of parts A and B) system that is mixed prior to use and results in black/blue nuclei.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
HWI-1	250 ml	\$40.25
HWI-2	1000 ml	\$119.60
HWI-3	2000 ml	\$198.95

OG-6 Solution

OG-6 is a cytologic stain routinely used in diagnostic cytology to aid in the identification and classification of exfoliative cells. The stain is used for examining exfoliative cells of vaginal, cervical, sputum, as well as other body secretions. Commonly used in combination with hematoxylin.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
OGA500	500 ml	\$17.25
OGA999	1000 ml	\$31.05
OGA3800	1 Gal.	\$106.95

Water, Deionized/Distilled

Water for use in laboratory procedures has been deionized, distilled and filtered at 0.2 micrometer for critical assays.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
DDH999	1000 ml	\$23.00
DDH3800	1 Gal.	\$57.50
DDH-20000	20 L	\$74.75

Transport Media (Cyt.)**CytoPort, Cytology Transport Media**

Is intended for use as a transport media of mammalian cells for subsequent testing. Samples may be transported at room temperature.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
CTM500	500 ml	\$20.70
CTM999	1000 ml	\$39.10

Ancillary (Cyt.)**KP Marker Plus**

Klinipath KP Marker Plus is a solvent resistant marking pen for permanent writing on glass slides, cassettes and other items in the laboratory. One box contains 12 pens.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
KPM-1	12 Pen(s)	\$72.45

PAP Pen

This marking pen has been designed to provide a thin film-like barrier when a circle is drawn around the specimen on a slide. This barrier creates the proper surface tension to hold an antibody solution within the target area on the slide. PAP Pen contains a special formulation which is insoluble in alcohol and acetone. It can be removed, if desired, by xylene after the staining procedure is completed.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
LP0001	1 ea.	\$87.40

PAP Pen-Mini

This marking pen has been designed to provide a thin film-like barrier when a circle is drawn around the specimen on a slide. This barrier creates the proper surface tension to hold an antibody solution within the target area on the slide. PAP Pen contains a special formulation which is insoluble in alcohol and acetone. It can be removed, if desired, by xylene after the staining procedure is completed.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
LP0002	1 ea.	\$56.35

Wash Solution Concentrate (50X)

Wash Solution Concentrate (50x) is designed to provide optimal rinsing of routine or special stains between steps. In addition, this reagent can be used as a dilution buffer for most aqueous stains. This product is compatible with hand staining procedures and most automated systems.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
WSC999	1000 ml	\$102.35

Hematology

Kits (Hem.)

Geimsa Stain Kit (May-Grunwald)

The Giemsa Stain Kit (May-Grunwald) is intended for use in the visualization of cells present in hematopoietic tissues and certain microorganisms. This kit may be used on formalin-fixed, paraffin-embedded or frozen sections.

Nuclei:	Blue/Violet
Cytoplasm:	Light Blue
Collagen:	Pale Pink
Muscle Fibers:	Pale Pink
Erythrocytes:	Gray, Yellow or Pink
Rickettsia:	Reddish-Purple
Helicobacter Pylori:	Blue
Mast Cells:	Dark Blue with Red Granules

Catalog Number	Volume	Price
GMG-2	100 Slides	\$63.25
GMG-1	1 kit(s)	\$126.50

Wright-Giemsa Stain Kit

Wright-Giemsa Stain Kit is intended to be used for differential staining of blood smears, bone marrow and blood parasites.

Erythrocytes:	Pink-Tan
Leukocytes:	Blue-Purple
Neutrophils:	Light Purple granules in cytoplasm.
Eosinophils:	Bright Red-Red-Orange granules in cytoplasm.
Basophils:	Deep Purple granules in cytoplasm.
Platelets:	Violet-Purple granules in light blue cytoplasm.

Catalog Number	Volume	Price
WGK-2	1 kit(s)	\$37.95
WGK-1	1 kit(s)	\$74.75

Individual Reagents (Hem.)

Giemsa Stock Solution

Component of the Giemsa Stain Kit (May Grunwald) for blood smears.

Catalog Number	Volume	Price
GGs125	125 ml	\$25.30
GGs500	500 ml	\$59.80
GGs999	1000 ml	\$106.95

Jenner Stock Solution

Used in May-Grunwald Giemsa stain.

Catalog Number	Volume	Price
JSS500	500 ml	\$71.30
JSS999	1000 ml	\$115.00

May-Grunwald Stock Solution

Component of the Giemsa Stain Kit (May-Grunwald) for blood smears.

Catalog Number	Volume	Price
MAY125	125 ml	\$25.30
MAY500	500 ml	\$59.80
MAY999	1000 ml	\$106.95

Methanol

For various laboratory procedures.

Catalog Number	Volume	Price
MTH500	500 ml	\$59.80
MTH999	1000 ml	\$96.60
MTH3800	1 Gal.	\$144.90

Phosphate Buffer Solution, pH 6.8

Ready-to-Use solution used in the Giemsa Stain Kit.

Catalog Number	Volume	Price
PBM500	500 ml	\$21.85
PBM999	1000 ml	\$41.40

Turk's Solution

Turk's Solution is intended for use in counting leukocytes in a defined volume of blood. Erythrocytes are hemolyzed while leukocytes are stained for easy visualization.

Catalog Number	Volume	Price
TRK125	125 ml	\$46.00
TRK500	500 ml	\$113.85

Water, Deionized/Distilled

Water for use in laboratory procedures has been deionized, distilled and filtered at 0.2 micrometer for critical assays.

Catalog Number	Volume	Price
DDH999	1000 ml	\$23.00
DDH3800	1 Gal.	\$57.50
DDH-20000	20 L	\$74.75

Wright-Giemsa Solution

The Wright-Giemsa Solution is intended for differential staining of blood smears and blood parasites. Use in conjunction with Phosphate Buffer Solution pH 6.8 (cat.# PBM)

Catalog Number	Volume	Price
WGS500	500 ml	\$46.00
WGS999	1000 ml	\$74.75
WGS3800	1 Gal.	\$169.05

Ancillary (Hem.)

Wash Solution Concentrate (50X)

Wash Solution Concentrate (50x) is designed to provide optimal rinsing of routine or special stains between steps. In addition, this reagent can be used as a dilution buffer for most aqueous stains. This product is compatible with hand staining procedures and most automated systems.

Catalog Number	Volume	Price
WSC999	1000 ml	\$102.35

Microbiology

Kits (Mic.)

Acid Fast Bacteria (AFB) Stain Kit

The Acid Fast Bacteria (AFB) Stain Kit is intended for use in the histological visualization of Acid Fast Bacteria and Tubercle Bacilli. This kit is a rapid 15-minute procedure. The lipid capsule of the acid-fast organism takes up carbol fuchsin and resists decolorization.

Acid Fast Organisms: Bright Red
Background: Light Green

Catalog Number	Volume	Price
FAB-2	30 ml ea.	\$46.00
FAB-1	125 ml ea.	\$93.15
FAB-500	500 ml ea.	\$216.20

Fite's Stain Kit

The Fite's Stain Kit (For Leprosy) is intended for use in the histological visualization of mycobacterium leprae (leprosy) and Nocardia.

Lepra bacillus: Red
Nocardia: Red
Background: Blue

Catalog Number	Volume	Price
FLS-1	125 ml ea.	\$119.60
FLS-500	500 ml ea.	\$296.70

Geimsa Stain Kit (May-Grunwald)

The Giemsa Stain Kit (May-Grunwald) is intended for use in the visualization of cells present in hematopoietic tissues and certain microorganisms. This kit may be used on formalin-fixed, paraffin-embedded or frozen sections.

Nuclei: Blue/Violet
Cytoplasm: Light Blue
Collagen: Pale Pink
Muscle Fibers: Pale Pink
Erythrocytes: Gray, Yellow or Pink
Rickettsia: Reddish-Purple
Helicobacter Pylori: Blue
Mast Cells: Dark Blue with Red Granules

Catalog Number	Volume	Price
GMG-2	100 Slides	\$63.25
GMG-1	1 kit(s)	\$126.50

GMS Stain Kit

The Modified Gomori Methenamine-Silver Nitrate Stain (GMS Stain Kit) is intended for use in the histologic visualization of fungi, basement membrane and some opportunistic organisms such as *Pneumocystis carinii*. *Pneumocystis carinii* is an opportunistic pathogen that causes severe pulmonary disease in humans, dogs, rats, mice and other vertebrate species with acquired, induced, or inherited immune deficiency syndromes. In addition, this procedure will demonstrate *Actinomyces* and related species, *Nocardia* asteroids, and certain encapsulated bacteria.

Catalog Number	Volume	Price
CAA-1	1 kit(s)	\$159.85
CAA-500	500 ml ea.	\$623.30
CAA-1000	1000 ml ea.	\$1,133.90

Gram Stain Kit

The Gram Stain Kit is intended for the demonstration and differentiation of Gram-positive and Gram-negative bacteria.

Gram Positive Bacteria: Blue
Gram Negative Bacteria: Red
Other Tissue: Yellow
Nuclei: Red

Catalog Number	Volume	Price
GSK-2	30 ml ea.	\$32.20
GSK-1	125 ml ea.	\$66.70
GSK-500	500 ml ea.	\$258.75

Gram Stain Kit (Modified Brown & Brenn)

The Gram Stain Kit (Modified Brown & Brenn) is intended for the demonstration and differentiation of Gram-positive and Gram-negative bacteria.

Gram Positive Bacteria: Blue
Gram Negative Bacteria: Red
Other Tissue: Slightly Yellow - Pink
Nuclei: Red

Catalog Number	Volume	Price
BBS-2	30 ml ea.	\$33.35
BBS-1	125 ml ea.	\$66.70
BBS-500	500 ml ea.	\$247.25

H. Pylori Rapid Stain Kit

The H. Pylori Rapid Stain Kit is designed for demonstrating *Helicobacter Pylori* infected tissue. Kit may be used on formalin fixed, paraffin-embedded tissue as well as frozen sections. The Warthin-Starry Stain Kit (WSS-1) is a more sensitive system for H. Pylori and is suggested for cases where total H. Pylori count is low.

Results:
Helicobacter Pylori: Blue
Mucin: Yellow
Background: Light Blue

Catalog Number	Volume	Price
AYH-2	100 Slides	\$98.90
AYH-1	1 kit(s)	\$197.80

Mucicarmine Stain Kit (Modified Southgate's)

Mucicarmine Stain Kit (Modified Southgate's) is intended for use in the histological visualization of acid mucopolysaccharides in tissue sections. This product is useful in distinguishing mucin negative undifferentiated squamous cell lesions from mucin positive adenocarcinomas. In addition, this product will stain the mucopolysaccharide capsule of *Cryptococcus neoformans*.

Mucin: Pink/Red
Capsule of *Cryptococcus*: Red
Nuclei: Black/Blue
Other tissue components: Yellow

Catalog Number	Volume	Price
SMS-2	100 Slides	\$66.70
SMS-1	1 kit(s)	\$131.10

Orcein Stain Kit (For Hepatitis B and Elastic Fibers)

The Orcein Stain may be used in histology procedures for the visualization of Hepatitis B surface Antigen (HBsAg), elastic fibers, and copper associated proteins. HBsAg appears as irregular shaped aggregates in the cytoplasmic region of the cells. This reagent may be used on formalin-fixed, paraffin-embedded or frozen sections.

HBsAg: Dark Brown/Purple
Elastic Fibers: Dark Brown/Purple
Copper Assoc. Proteins: Dark Purple
Background: Light Reddish/Purple

Catalog Number	Volume	Price
HBK-2	1 kit(s)	\$112.70
HBK-1	1 kit(s)	\$224.25

Periodic Acid Schiff (PAS) for Fungus Stain Kit

The Periodic Acid Schiff (PAS) for Fungus Stain Kit is intended for use in histological demonstration of fungal organisms in tissue sections. The PAS reaction is also useful in the demonstration of lymphocytes and mucopolysaccharides. The staining patterns of the lymphocytes are helpful in making therapeutic decisions in established cases of lymphocytic leukemia.

Fungal Organisms: Magenta
PAS Positive Material: Magenta
Nuclei: Green/Blue

Catalog Number	Volume	Price
PASF-2	1 kit(s)	\$50.60
PASF-1	1 kit(s)	\$102.35

Pneumocystis Stain Kit

The Pneumocystis Stain Kit is intended for use in the histological visualization of *Pneumocystis carinii* in cytology smears, and paraffin or frozen tissue sections.

Pneumocystis carinii: Violet / Purple
Connective Tissue: Blue / Green
Erythrocytes: Yellow
Mucin: Rose / Purple
Cartilage: Rose / Purple

Catalog Number	Volume	Price
PCS-2	100 Slides	\$63.25
PCS-1	1 kit(s)	\$125.35

Steiner Stain Kit (For Spirochetes)

The Steiner Stain Kit (For Spirochetes) is designed for demonstrating Fungi, *Helicobacter Pylori*, *Legionella pneumophila*, and Spirochete infected tissue. Kit may be used on formalin fixed, paraffin-embedded tissue as well as frozen sections.

Spirochetes: Black to Brown
Helicobacter Pylori: Black to Brown
Fungi: Black to Brown
Legionella pneumophila: Black to Brown
Background: Yellow to Tan

Catalog Number	Volume	Price
SSK-1	1 kit(s)	\$143.75

Twort's Counterstain Kit

The Twort's Counterstain Kit is intended for use in histology procedures such as the Gram Stain to provide contrast for easier visualization of various cell components in tissue sections.

Nuclei: Red
Cytoplasm: Light Green

Catalog Number	Volume	Price
TCK-1	1 kit(s)	\$34.50

Warthin-Starry Stain Kit

The Warthin-Starry Stain Kit is intended for use in the visualization of Spirochetes, *Helicobacter pylori*, *Legionella pneumophila*, and Cat Scratch Fever bacteria. This kit may be used on formalin-fixed, paraffin-embedded or frozen sections.

Helicobacter pylori: Black
Legionella pneumophila: Black
Spirochetes: Black
Cat Scratch Fever Bacteria: Black
Klebsiella: Brown/Black
Nuclei: Brown
Background: Yellow

Catalog Number	Volume	Price
WSS-1	1 kit(s)	\$143.75

Wright-Giemsa Stain Kit

Wright-Giemsa Stain Kit is intended to be used for differential staining of blood smears, bone marrow and blood parasites.

Erythrocytes: Pink-Tan
Leukocytes: Blue-Purple
Neutrophils: Light Purple granules in cytoplasm.
Eosinophils: Bright Red-Red-Orange granules in cytoplasm.
Basophils: Deep Purple granules in cytoplasm.
Platelets: Violet-Purple granules in light blue cytoplasm.

Catalog Number	Volume	Price
WGK-2	1 kit(s)	\$37.95
WGK-1	1 kit(s)	\$74.75

Individual Reagents (Mic.)

Alcian Yellow Solution

Used in Alcian Yellow for H. Pylori.

Catalog Number	Volume	Price
ANY125	125 ml	\$36.80
ANY500	500 ml	\$87.40
ANY999	1000 ml	\$135.70

Carbol Fuchsin (Kinyoun's)

The Carbol Fuchsin Solution (Kinyoun's) is intended for use in the histological visualization of Acid Fast Bacteria and Tubercle Bacilli. This reagent is a rapid 2-5 minute procedure. The lipoid capsule of the acid-fast organism takes up carbol fuchsin and resists decolorization.

Acid Fast Organisms: Bright Red

Catalog Number	Volume	Price
CFK500	500 ml	\$127.65
CFK999	1000 ml	\$212.75

Carbol Fuchsin Counterstain

Carbol Fuchsin Counterstain is a component of the Gram Stain Kit, catalog # GSK-1.

Catalog Number	Volume	Price
CFX125	125 ml	\$40.25
CFX500	500 ml	\$105.80
CFX999	1000 ml	\$146.05

Carbol Fuchsin Solution

A modified Ziehl-Neelson formulation used for staining acid fast bacteria. This stain is a rapid 15-minute procedure. The lipoid capsule of the acid-fast organism takes up carbol fuchsin and resists decolorization.

Acid Fast Organisms: Bright Red

Catalog Number	Volume	Price
CFZ125	125 ml	\$40.25
CFZ500	500 ml	\$105.80
CFZ999	1000 ml	\$146.05

Gentian Violet Solution

Gentian Violet Solution is the component of the Gram Stain Kit (catalog# GSK-1) that results in blue staining of the Gram Positive Bacteria. Gentian Violet is intended for the demonstration and differentiation of Gram-positive and Gram-negative bacteria.

Catalog Number	Volume	Price
GVS125	125 ml	\$40.25
GVS500	500 ml	\$95.45
GVS999	1000 ml	\$151.80

Gram's Decolorizer Solution

Component used in the Gram Stain Kit.

Catalog Number	Volume	Price
GDS125	125 ml	\$25.30
GDS500	500 ml	\$62.10
GDS999	1000 ml	\$96.60

H. Pylori Rapid Stain (1-Step)

The H. Pylori Rapid Stain (1-Step) is a single component reagent that has been developed to identify helicobacter pylori in a procedure that requires less than 10 minutes to complete. Procedure is effective for fresh, frozen, and paraffin embedded sections. Helicobacter Pylori has been shown to be the causative organism in some gastric ulcers.

H. Pylori: Dark Blue/Purple
 Cytoplasm: Pink to Red
 Background: Violet
 Nuclei: Blue

Catalog Number	Volume	Price
HPS030	30 ml	\$14.95
HPS500	500 ml	\$59.80
HPS999	1000 ml	\$96.60

Light Green Solution

Light Green Solution is intended for use in histological applications as a general counterstain. When used correctly, various shades of green can be obtained to aid in visualization of tissue components.

Catalog Number	Volume	Price
LGA125	125 ml	\$16.10
LGA500	500 ml	\$55.20
LGA999	1000 ml	\$104.65
LGA3800	1 Gal.	\$263.35

Lugol's Iodine Solution

Catalog Number	Volume	Price
LIS125	125 ml	\$24.15
LIS500	500 ml	\$56.35
LIS999	1000 ml	\$102.35

Methylene Blue Solution

Methylene Blue Solution has been optimized in our research laboratories to give outstanding results when used in various procedures such as the Ziehl-Neelsen, Fite's, and Gram stain. The stain is also suggested for use in staining a variety of bacteria (Corynebacterium diphtheria, Haemophilus influenzae, Neisseria, etc.) and leukocytes. This reagent produces dark blue nuclei with very light blue cytoplasm.

Nuclei: Dark Blue
 Cytoplasm: Light Blue
 Corynebacterium Diphtheria: Blue Granules
 Escherichia Coli: Blue Rods
 Streptococcus Pyogenes: Blue Cocci

Catalog Number	Volume	Price
MBS125	125 ml	\$29.90
MBS500	500 ml	\$71.30
MBS999	1000 ml	\$115.00

Mucicarmine Solution (Southgate's)

Mucicarmine Solution (Southgate's) is a component of the Mucicarmine Stain Kit (Catalog# SMS-1) and is intended for use in the histological visualization of acid mucopolysaccharides in tissue sections. Mucicarmine Solution is the component responsible for staining Mucin red. This product is useful in distinguishing mucin negative undifferentiated squamous cell lesions from mucin positive adenocarcinomas. In addition, this product will stain the mucopolysaccharide capsule of *Cryptococcus neoformans*.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
SMG125	125 ml	\$89.70
SMG500	500 ml	\$212.75
SMG999	1000 ml	\$255.30

Picric Acid - Acetone Solution (0.1%)

Component used in the Gram Stain Kit (Modified Brown & Brenn).

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
PAB125	125 ml	\$25.30
PAB500	500 ml	\$41.40
PAB999	1000 ml	\$65.55

Safranin O Solution

Safranin O Solution is commonly used for counterstaining nuclei red (Hucker's Counterstain).

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
SOH250	250 ml	\$44.85
SOH500	500 ml	\$71.30
SOH999	1000 ml	\$115.00

SpiroPrep

Component of the Warthin-Starry Stain Kit.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
SSE125	125 ml	\$40.25
SSE500	500 ml	\$95.45
SSE999	1000 ml	\$151.80

Water, Deionized/Distilled

Water for use in laboratory procedures has been deionized, distilled and filtered at 0.2 micrometer for critical assays.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
DDH999	1000 ml	\$23.00
DDH3800	1 Gal.	\$57.50
DDH-20000	20 L	\$74.75

Ancillary (Mic.)**KP Marker Plus**

Klinipath KP Marker Plus is a solvent resistant marking pen for permanent writing on glass slides, cassettes and other items in the laboratory. One box contains 12 pens.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
KPM-1	12 Pen(s)	\$72.45

PAP Pen

This marking pen has been designed to provide a thin film-like barrier when a circle is drawn around the specimen on a slide. This barrier creates the proper surface tension to hold an antibody solution within the target area on the slide. PAP Pen contains a special formulation which is insoluble in alcohol and acetone. It can be removed, if desired, by xylene after the staining procedure is completed.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
LP0001	1 ea.	\$87.40

PAP Pen-Mini

This marking pen has been designed to provide a thin film-like barrier when a circle is drawn around the specimen on a slide. This barrier creates the proper surface tension to hold an antibody solution within the target area on the slide. PAP Pen contains a special formulation which is insoluble in alcohol and acetone. It can be removed, if desired, by xylene after the staining procedure is completed.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
LP0002	1 ea.	\$56.35

Wash Solution Concentrate (50X)

Wash Solution Concentrate (50x) is designed to provide optimal rinsing of routine or special stains between steps. In addition, this reagent can be used as a dilution buffer for most aqueous stains. This product is compatible with hand staining procedures and most automated systems.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
WSC999	1000 ml	\$102.35

Buffers

Acetate Buffer Solution, pH 8.0

Used in the Microwave Copper Stain.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
SAB500	500 ml	\$36.80
SAB999	1000 ml	\$57.50

Acetate Buffer, 0.2M (pH 4.0)

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
ATB500	500 ml	\$71.30
ATB999	1000 ml	\$115.00

Boric Acid - Borate Buffer, pH 8.2

DESCRIPTION: Boric Acid Borate Buffer is commonly used as a buffer in Silver staining procedures in addition to other applications.

CONTENTS: Boric Acid: 0.13M, Sodium Borate: 0.018M in reagent grade water. This product is filtered to 0.2 microns.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
BAB500	500 ml	\$56.35
BAB999	1000 ml	\$87.40

Citrate Buffer (10x) pH 6.0

Citrate Buffer (10X) HIER Solution (pH 6.0) is a unique citrate buffer designed to significantly enhance immunohistochemical staining with many commercially available primary antibodies. Diluted 1:10 with deionized or distilled water, this product is easy to use and highly effective.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
CBB125	125 ml	\$21.85
CBB500	500 ml	\$43.70
CBB999	1000 ml	\$71.30

Citrate Plus (10x) HIER Solution

This is a unique citrate buffer designed to significantly enhance immunohistochemical staining with many commercially available primary antibodies. Diluted 1:10 with deionized or distilled water, this product is easy to use and highly effective. Citrate Plus (10X) can be used in a vegetable steamer, autoclave, or pressure cooker. However, for optimal results we recommend the autoclave or pressure cooker.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
CPL500	500 ml	\$88.55
CPL999	1000 ml	\$167.90

EDTA - Saline Buffer (10X Concentrate); pH 8.0

EDTA Buffer (10X) HIER Solution (pH 8.0) is a unique buffer designed to significantly enhance immunohistochemical staining with many commercially available primary antibodies. Diluted 1:10 with deionized or distilled water, this product is easy to use and highly effective.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
ETA500	500 ml	\$48.30
ETA999	1000 ml	\$92.00

Phosphate Buffer Solution, pH 6.8

Ready-to-Use solution used in the Giemsa Stain Kit.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
PBM500	500 ml	\$21.85
PBM999	1000 ml	\$41.40

Phosphate Buffered Saline (10x) pH 7.4

ScyTek Phosphate Buffered Saline (10x) pH 7.4 is an optimal formulation of pH stabilizers and salts designed to effectively remove excess material from the microtiter plate wells without disrupting the ELISA binding reaction. By maintaining the proper buffering environment, unbound components can be washed away without suppressing antigen-antibody binding interactions, thereby reducing nonspecific background and increasing the specific signal. Our Wash buffers do not contain hazardous preservatives such as Azide or Mercury that may interfere with antibody-antigen binding interactions. For your convenience wash buffer is offered in a wide variety of formulations to meet the needs of your specific ELISA application. This product can be customized to meet the specific needs of your assay. Inquire about custom vialing, labeling, kit assembly and drop shipping.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
PBD500	500 ml	\$28.75
PBD999	1000 ml	\$43.70
PBD010	10 L	\$212.75
PBD-20000	20 L	\$395.60

Phosphate Buffered Saline (25x) pH 7.6

ScyTek Phosphate Buffered Saline (25x) pH of 7.6 is an optimal formulation of pH stabilizers and salts designed to effectively remove excess material from the microtiter plate wells without disrupting the ELISA binding reaction. By maintaining the proper buffering environment, unbound components can be washed away without suppressing antigen-antibody binding interactions, thereby reducing nonspecific background and increasing the specific signal. Our Wash buffers do not contain hazardous preservatives such as Azide or Mercury that may interfere with antibody-antigen binding interactions. For your convenience wash buffer is offered in a wide variety of formulations to meet the needs of your specific ELISA application. This product can be customized to meet the specific needs of your assay. Inquire about custom vialing, labeling, kit assembly and drop shipping.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
PBS125	125 ml	\$18.40
PBS500	500 ml	\$36.80
PBS999	1000 ml	\$56.35
PBS010	10 L	\$282.90
PBS-20000	20 L	\$508.30

Phosphate Buffered Saline plus Tween 20 (10x) pH 7.4

ScyTek Phosphate Buffered Saline + Tween 20 (10x) pH of 7.4 is an optimal formulation of pH stabilizers, salts and detergents designed to effectively remove excess material from the microtiter plate wells without disrupting the ELISA binding reaction. By maintaining the proper buffering environment, unbound components can be washed away without suppressing antigen-antibody binding interactions, thereby reducing nonspecific background and increasing the specific signal. Our Wash buffers do not contain hazardous preservatives such as Azide or Mercury that may interfere with antibody-antigen binding interactions. For your convenience wash buffer is offered in a wide variety of formulations to meet the needs of your specific ELISA application. This product can be customized to meet the specific needs of your assay. Inquire about custom vialing, labeling, kit assembly and drop shipping.

Catalog Number	Volume	Price
PBE500	500 ml	\$28.75
PBE999	1000 ml	\$43.70
PBE010	10 L	\$212.75
PBE-20000	20 L	\$524.40

Phosphate Buffered Saline plus Tween 20 (20x) pH 7.6

ScyTek Wash buffer formulations are an optimal formulation of pH stabilizers, salts and detergents designed to effectively remove excess material from the microtiter plate wells without disrupting the ELISA binding reaction. By maintaining the proper buffering environment, unbound components can be washed away without suppressing antigen-antibody binding interactions, thereby reducing nonspecific background and increasing the specific signal. Our Wash buffers do not contain hazardous preservatives such as Azide or Mercury that may interfere with antibody-antigen binding interactions. For your convenience wash buffer is offered in a wide variety of formulations to meet the needs of your specific ELISA application. This product can be customized to meet the specific needs of your assay. Inquire about custom vialing, labeling, kit assembly and drop shipping.

Catalog Number	Volume	Price
PBT500	500 ml	\$36.80
PBT999	1000 ml	\$56.35
PBT010	10 L	\$282.90
PBT-20000	20 L	\$508.30

SSPE Buffer (20x) pH 7.4

Diluted solution contains Sodium Chloride: 0.15 M; Sodium Phosphate: 0.010 M; EDTA: 0.001 M.

Catalog Number	Volume	Price
SPE-20000	20 L	\$263.35

TG Buffer (10x)

Diluted solution contains Tris Base: 0.025 M; Glycine: 0.192 M.

Catalog Number	Volume	Price
TGR-20000	20 L	\$525.55

Tris Buffered Saline (10x) pH 7.5

ScyTek Tris Buffered Saline (10x) pH of 7.5 is an optimal formulation of pH stabilizers, salts and detergents designed to effectively remove excess material from the microtiter plate wells without disrupting the ELISA binding reaction. By maintaining the proper buffering environment, unbound components can be washed away without suppressing antigen-antibody binding interactions, thereby reducing nonspecific background and increasing the specific signal. Our Wash buffers do not contain hazardous preservatives such as Azide or Mercury that may interfere with antibody-antigen binding interactions. For your convenience wash buffer is offered in a wide variety of formulations to meet the needs of your specific ELISA application. This product can be customized to meet the specific needs of your assay. Inquire about custom vialing, labeling, kit assembly and drop shipping.

Catalog Number	Volume	Price
TBD500	500 ml	\$36.80
TBD999	1000 ml	\$56.35
TBD010	10 L	\$282.90
TBD-20000	20 L	\$676.20

Tris Buffered Saline (25x) pH 7.4

ScyTek Tris Buffered Saline (25x) pH of 7.4 is an optimal formulation of pH stabilizers, salts and detergents designed to effectively remove excess material from the microtiter plate wells without disrupting the ELISA binding reaction. By maintaining the proper buffering environment, unbound components can be washed away without suppressing antigen-antibody binding interactions, thereby reducing nonspecific background and increasing the specific signal. Our Wash buffers do not contain hazardous preservatives such as Azide or Mercury that may interfere with antibody-antigen binding interactions. For your convenience wash buffer is offered in a wide variety of formulations to meet the needs of your specific ELISA application. This product can be customized to meet the specific needs of your assay. Inquire about custom vialing, labeling, kit assembly and drop shipping.

Catalog Number	Volume	Price
TBS500	500 ml	\$43.70
TBS999	1000 ml	\$71.30
TBS010	10 L	\$427.80
TBS-20000	20 L	\$769.50

Tris Buffered Saline plus Tween 20 (10x) pH 7.5

ScyTek Tris Buffered Saline + Tween 20 (10x) pH of 7.5 is an optimal formulation of pH stabilizers, salts and detergents designed to effectively remove excess material from the microtiter plate wells without disrupting the ELISA binding reaction. By maintaining the proper buffering environment, unbound components can be washed away without suppressing antigen-antibody binding interactions, thereby reducing nonspecific background and increasing the specific signal. Our Wash buffers do not contain hazardous preservatives such as Azide or Mercury that may interfere with antibody-antigen binding interactions. For your convenience wash buffer is offered in a wide variety of formulations to meet the needs of your specific ELISA application. This product can be customized to meet the specific needs of your assay. Inquire about custom vialing, labeling, kit assembly and drop shipping.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
TBE500	500 ml	\$36.80
TBE999	1000 ml	\$56.35
TBE010	10 L	\$338.10
TBE-20000	20 L	\$608.58

Tris Buffered Saline plus Tween 20 (20x Concentrate) pH 7.4

ScyTek Tris Buffered Saline + Tween 20 (20x Concentrate) pH of 7.4 is an optimal formulation of pH stabilizers, salts and detergents designed to effectively remove excess material from the tissue sample or microtiter plate wells without disrupting the antibody binding reaction. By maintaining the proper buffering environment, unbound components can be washed away without suppressing antigen-antibody binding interactions, thereby reducing nonspecific background and increasing the specific signal. Our Wash buffers do not contain hazardous preservatives such as Azide or Mercury that may interfere with antibody-antigen binding interactions. For your convenience wash buffer is offered in a wide variety of formulations to meet the needs of your specific ELISA application.

<u>Catalog Number</u>	<u>Volume</u>	<u>Price</u>
TBT500	500 ml	\$43.70
TBT999	1000 ml	\$71.30
TBT010	10 L	\$427.80
TBT-20000	20 L	\$769.50



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