

**KPL Biotin-Labeled
Affinity Purified Antibody
To Mouse IgG (H+L)
(Adsorbed with Human Serum)
For Immunohistochemistry
Produced in Goat**

Catalog No. Size
5570-0006 (71-00-29) 50 mL

DESCRIPTION

Affinity purified antibody, isolated from a pool of serum from a goat immunized with purified mouse IgG, was labeled with NHS-LC-LC Biotin (M.W. = 567.7; 30.5 Å).

FORM/STORAGE

Liquid. Product should be stored refrigerated at 2–8°C. Product is stable for a minimum of one year at 2–8°C.

ANTIBODY CONCENTRATION

Antibody is provided as a liquid at use dilution (approximately 2 µg/mL).

STABILIZERS AND PRESERVATIVES

Bovine serum albumin is added as protein stabilizer. A proprietary biological preservative is added. Non-sterile.

SPECIFICITY/CROSS-REACTIVITY

Tested by immunoelectrophoresis, gel diffusion and ELISA techniques as applicable. This product reacts specifically with mouse IgG and may recognize other immunoglobulin types that have light chains in common with IgG. Antibodies to mouse IgG may cross-react with the immunoglobulins of other mammalian species if common binding sites are shared. However, cross-reactivity with human serum has been minimized with affinity procedures. No antibody is detectable to non-immunoglobulin serum components.

APPLICATION/USE

KPL Biotin-labeled Goat Anti-Mouse IgG (H+L) is provided at an optimal working concentration for use with KPL-brand enzyme labeled streptavidin in immunohistochemical assays. Following incubation of the sample with a mouse primary, wash slide and flood with the biotinylated antibody. Incubate for 30 minutes at room temperature. After incubation, rinse the slide with wash buffer and soak slide in wash buffer for five minutes before applying enzyme-labeled streptavidin.

RELATED PRODUCTS**UNIVERSAL KIT REAGENTS**

KPL Biotin-labeled Goat Anti-Mouse IgG (H+L) is a component of the HistoMark® Universal Streptavidin Kits for use with mouse primary antibodies:

KPL Peroxidase System	5520-0024 (71-00-19)
KPL Phosphatase System	5520-0028 (71-00-40)

LABELED STREPTAVIDIN

Labeled streptavidin is also available as a separate product at working concentration:

KPL Peroxidase Streptavidin	5550-0001 (71-00-38)
KPL Phosphatase Streptavidin	5550-0002 (71-00-45)

SUBSTRATES

KPL TrueBlue™ Peroxidase Substrate	5510-0030 (50-78-02)
KPL HistoMark BLACK	5510-0034 (54-75-00)
KPL HistoMark ORANGE	5510-0033 (54-74-00)
KPL HistoMark RED	5510-0036 (55-69-00)
KPL HistoMark BLUE	5510-0037 (55-70-00)
KPL HistoMark X-gal	5520-0022 (54-13-00)
KPL DAB Reagent Set	5510-0031 (54-10-00)

PRODUCT SAFETY AND HANDLING

This product is considered non-hazardous as defined by The Hazard Communication Standard (29 CFR 1910.1200). Avoid contact with skin and eyes. In case of contact or spillage, clean with copious amounts of water. Dispose of observing all Federal, State and Local laws concerning health and pollution.

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.