Rhodamine-Labeled Affinity Purified Antibody To Mouse IgG (H+L)

(Human Serum Adsorbed)

Produced in Goat

Catalog No.	Size
03-18-06	0.5 mg

DESCRIPTION

Affinity purified antibody isolated from a pool of serum from goats immunized with purified mouse IgG was labeled with tetramethyl rhodamine isothiocyanate (TRITC) using optimized conditions.

FORM/STORAGE

Lyophilized. Store at 2 - 8°C until rehydrated. Stable for a minimum of 1 year when stored at 2 - 8°C.

STABILIZER AND PRESERVATIVE

Goat serum and/or bovine serum albumin (BSA) are added as a protein stabilizer. No preservative added. Additional biological protection may be provided with 0.1% sodium azide. Non-sterile.

ANTIBODY CONCENTRATION

The concentration of affinity purified antibody is 0.5 mg as determined by UV absorbance at 280 nm.

F/P RATIO

Fluorochrome/antibody protein ratio = 3 - 7:1

SPECIFICITY/CROSS REACTIVITY

Tested by 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. Reactivity to IgG subclasses has not been tested. Antibodies to mouse IgG may cross-react with immunoglobulins of other mammalian species if common binding sites are shared.Cross-reactivity with human serum has been minimized with affinity procedures.

REHYDRATION AND STORAGE

Rehydration: Rehydrate with 1 mL of reagent quality water. Rotate the vial until the lyophilized pellet is totally dissolved. Dilute to desired concentration with TBS or other buffer.

Storage: This product may be stored for up to 1 week refrigerated; thereafter, it should be stored frozen. Stable for a minimum of 1 year at -20°C.

SUGGESTED WORKING DILUTIONS

Optimal working concentrations should be determined experimentally. Prepare working dilution in TBS or other buffer such as BSA or Milk Diluent/Blocking Solution (See RELATED PRODUCTS). These buffers not recommended for long term storage. A suggested starting dilution of 1:10 to 1:100 is recommended for most applications. In many cases, the antibody may be diluted further than indicated.

REFERENCES

1. Spector et. al. Cells: A Laboratory Manual, Vol. 2. Light Microscopy and cell structure. (1998). Cold Spring Harbor Laboratory Press, Plainview, NY. 82.1-82.7.
2. Campana, D. et. al. (1998). Double and triple staining methods for studying the proliferative activity of human B and T lymphoid cells. *J. Immunol. Methods*. 102 (1): 79-88.

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.

RELATED PRODUCTS

BSA Diluent/Blocking Solution	Cat. No. 50-61-00
Milk Diluent/Blocking Solution	Cat. No. 50-82-01
Wash Solution Concentrate	Cat. No. 50-63-00
Fluorescent Mounting Media	Cat. No. 71-00-16
DAPI	Cat. No. 71-03-01

See the KPL catalog for a wide selection of antibodies, substrates, protein and nucleic acid detection kits, and immunohistochemistry reagents.

L-627-03

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