

Fluorescein-Labeled Antibody to Human IgA+IgG+IgM (H+L)

Produced in Goat

Catalog No.
5230-0289 (02-10-07)

Size
0.5 mg

DESCRIPTION

This broad spectrum reagent contains a mixture of 3 antibodies that recognize: human IgA, IgG and IgM. Affinity purified antibody isolated from a pool of serum from goats immunized with purified human IgA, IgG, and IgM was labeled with fluorescein isothiocyanate.

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) is 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

The fluorescein:antibody protein ratio is between 3:1 and 7:1.

SPECIFICITY/CROSS REACTIVITY

Tested by gel diffusion and ELISA techniques as applicable. This product reacts specifically with human IgA, IgG, and IgM and may recognize other immunoglobulin types that have light chains in common with IgA, IgG, and IgM. Reactivity to IgG subclasses has not been tested. Antibodies to human IgA, IgG, and IgM may cross-react with immunoglobulins of other mammalian species if common binding sites are shared.

REHYDRATION AND STORAGE

Note: Rehydration of antibodies in TBS or buffers other than those listed here is not recommended.

Rehydration: Rehydrate with 1 mL of reagent quality water. Rotate the vial until the lyophilized pellet is totally dissolved.

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 dilutions in TBS or other buffer such as KPL 5X Detector Block or KPL Milk/Diluent Blocking Solution immediately before use.

These buffers are not recommended for long term storage. A suggested starting dilution of 1:10-1:100 is recommended for most applications. In many cases, the antibody may be diluted further than indicated.

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. Disposal via sanitary sewer.

RELATED PRODUCTS

CAT. NO.

KPL 5X Detector Block	5920-0004 (71-83-00)
KPL Milk Diluent/Blocking Solution	5140-0011 (50-82-01)
KPL Coating Solution	5150-0014 (50-84-00)
KPL Wash Solution	5150-0008 (50-63-00)
KPL 10% BSA Diluent/Block	5140-0006 (50-61-00)

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