

Fluorescein-Labeled Antibody To Human IgM (μ), F(ab')₂

Produced in Goat

Catalog No. Size

202-1003 1.0 mg



DESCRIPTION

F(ab')₂ fragment, purified by size exclusion from a pepsin digest of affinity purified antibody isolated from a pool of serum from goats immunized with purified human 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 1.0 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 IgM. This antibody will not bind to the Fc receptors present on certain cell surfaces. Antibodies to human IgM may cross-react with immunoglobulins of other mammalian species if common binding sites are shared. Product has been adsorbed with purified human IgA and IgG. Reactivity has not been characterized to other human immunoglobulins.

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 5X Detector Block or Milk/Diluent

Blocking Solution (See RELATED PRODUCTS) immediately before use.

These buffers are not recommended for long term storage. A suggested starting dilution of **1:20-1:200** 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

| | |
|--------------------------------|-------------------|
| Milk Diluent/Blocking Solution | Cat. No. 50-82-01 |
| 5X Detector Block | Cat. No. 71-83-00 |
| Coating Solution Concentrate | Cat. No. 50-84-00 |
| Wash Solution Concentrate | Cat. No. 50-63-00 |
| 10% BSA Diluent/Block | Cat. No. 50-61-00 |

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