

KPL *Fluorescein*-Labeled Affinity Purified Antibody To Monkey IgM (μ) *Produced in Goat*

Catalog No.
5230-0423 (072-11-031)

Size
1.0 mg

DESCRIPTION

Affinity purified antibody isolated from a pool of serum from goats immunized with purified Old World monkey IgM was labeled with fluorescein isothiocyanate (FITC) using a modified method adapted from The and Felthamp⁽¹⁾.

FORM/STORAGE

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

STABILIZER AND PRESERVATIVE

Bovine serum albumin (BSA) is added as a protein stabilizer. A proprietary anti-bacterial agent is added to preserve the product. Non-sterile.

ANTIBODY CONCENTRATION

The concentration of affinity purified antibody is 1 mg as determined by UV absorbance at 280 nm.

F/P RATIO

Fluorescein/antibody protein ratio = 2-5:1

SPECIFICITY/CROSS REACTIVITY

Tested by immunoelectrophoresis techniques as applicable. This product reacts specifically with Old World monkey IgM. Product has been adsorbed with purified monkey IgA and IgG. Reactivity to IgG subclasses has not been tested. Antibodies to monkey 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.

Procedure A: 50% Glycerol

At a working dilution, the level of glycerol is too small to affect most assays. The use of glycerol is not recommended when the conjugate is used in live cell work.

Rehydration: Add 0.5 mL reagent quality water to the product vial. Rotate the vial until the lyophilized pellet is totally dissolved. Add 0.5 mL glycerol to the product vial. Pipette up and down several times to ensure proper mixing. Dilute to desired concentration with TBS or other buffer.

Storage: This product may be stored at 2-8°C for up to 1 week; thereafter, it should be stored at -20°C.

Procedure B: H₂O

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 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 KPL Milk Diluent/Blocking Solution (See RELATED PRODUCTS). These buffers are not recommended for long term storage.

Suggested starting dilutions are as follows.

Note: In many cases, the antibody may be diluted further than indicated.

Immunomicroscopy:

1:200 – 1:500 5.0 μ g/ml - 2.0 μ g/ml

Flow Cytometry:

1:50 – 1:200 20.0 μ g/ml - 5.0 μ g/ml

Fluorescein is excited at 495 nm and emits at 528 nm.

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.

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REFERENCES

1. The and Felthamp, (1970). *Immunology*, 18:865.

RELATED PRODUCTS

CAT. NO.

KPL 10% BSA Diluent/Blocking Solution	5140-0006 (50-61-00)
KPL Milk Diluent/Blocking Solution	5140-0011 (50-82-01)
KPL Normal Goat Serum	5560-0007 (71-00-27)
KPL 20X Wash Solution	5150-0008 (50-63-00)
KPL Propidium Iodide	5930-0008 (71-04-01)

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