

# KPL Affinity Purified Antibody To Human IgM ( $\mu$ ), F(ab')<sub>2</sub>

*Produced in Goat*

<u>Catalog No.</u>	<u>Size</u>
5210-0298 (201-1003)	1.0 mg

## DESCRIPTION

F(ab')<sub>2</sub> 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.

## FORM/STORAGE

Lyophilized. Store at 2 - 8°C until rehydrated. Stable for one year from date of rehydration when stored as recommended.

## STABILIZER AND PRESERVATIVE

No stabilizers or preservatives added. Non-sterile.

## ANTIBODY CONCENTRATION

The concentration of affinity purified antibody is 1.0 mg as determined by UV absorbance at 280 nm.

## 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.

### 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 antibody is used in live cell work.

Rehydration: Add 1 mL of 50% glycerol in water to the vial. Pipette up and down several times to ensure proper mixing.

Storage: This product may be stored either refrigerated or frozen as desired in 50% glycerol. Stable for a minimum of 1 year.

### Procedure B: 2mM Acetic Acid Solution

Rehydration: Rehydrate with 1 mL of 2mM Glacial Acetic acid made with 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 dilution in TBS or other buffer such as BSA or KPL Milk Diluent/Blocking Solution (See RELATED PRODUCTS) immediately before use. BSA blockers should not be used with anti-Bovine antibodies, due to the possibility of cross-reactivity. These buffers are not recommended for long term storage.

Suggested starting dilutions are as follows. In many cases, the antibody may be diluted further than indicated.

### Capture/Primary Antibody:

1/100 – 1/1000      10.0 µg/mL - 1.0 µg/mL

## 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.

## RELATED PRODUCTS

## CAT. NO.

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

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