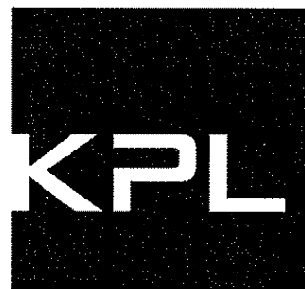


**ReserveAP™ Phosphatase-Labeled
Antibody To Human IgM (μ)**
Produced in Goat

Catalog No. **Size**
4751-1003 **1.0 mg/mL**



DESCRIPTION

Affinity purified antibody isolated from a pool of serum from goats immunized with purified human IgM was labeled with Phosphatase using a modified glutaraldehyde procedure (1).

FORM/STORAGE

Liquid. Store refrigerated at 2 - 8°C. Stable 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.

E/P RATIO

Molar enzyme/antibody protein ratio is from 1.9:1 to 2.9:1.

SPECIFICITY/CROSS REACTIVITY

Tested by gel diffusion and ELISA techniques as applicable. This product reacts specifically with human IgM. 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.

SUGGESTED WORKING DILUTIONS

Optimal working concentration 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 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.

Microwell:

1/2000 - 1/10000 0.5 ug/mL - 0.1 ug/mL

Blotting:

1/10000 - 1/40000 0.1 ug/mL - 0.025 ug/mL

Histo/Cytochemical Procedures:

1/400 - 1/1000 2.5 ug/mL - 1.0 ug/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. Disposal via sanitary sewer.

REFERENCES

1. Voller, A., et al. (1976). A Manual of Clinical Immunology. American Society for Microbiology, 509-510.

RELATED PRODUCTS

BSA Diluent/Blocking Solution	Cat. No. 50-61-00
Milk Diluent/Blocking Solution	Cat. No. 50-82-01
Coating Solution	Cat. No. 50-84-00
Wash Solution	Cat. No. 50-63-00

Suggested KPL Phosphatase Substrates

Microwell:

BluePhos®	Cat. No. 50-88-00
RedPhos™ Microwell	Cat. No. 50-87-20
pNPP	Cat. No. 50-80-00

Immunoblotting:

BCIP/NBT	Cat. No. 50-81-07
RedPhos™ Membrane	Cat. No. 50-81-30
PhosphaGLO™	Cat. No. 55-60-04
PhosphaGLO Reserve™	Cat. No. 55-60-02

Immunohistochemistry:

HistoMark® RED	Cat. No. 55-69-00
HistoMark® BLUE	Cat. No. 55-70-00

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

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Catalog No. Size

4751-1003 1.0 mg/mL

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