

Peroxidase-Labeled Affinity Purified Antibody To Human IgM(μ)

Produced in Goat

Catalog No. **Size**
474-1003 **1.0 mg/mL**



DESCRIPTION

Affinity purified antibody isolated from a pool of serum from goats immunized with purified human IgM was labeled with peroxidase using the periodate method of Nakane and Kawaoi (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. **DO NOT USE SODIUM AZIDE.** 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 4.0:1.

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) immediately before use. 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.

ELISA:

1/1000 – 1/5000 1.0 μ g/mL - 0.2 μ g/mL

Blotting:

1/5000- 1/20000 0.2 μ g/mL - 0.05 μ g/mL

Histo/Cytochemical Procedures:

1/200 – 1/500 5.0 μ g/mL - 2.0 μ g/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. Nakane, P.K., and Kawaoi, A., (1974). *J Histochem. Cytochem.*22: 1084.

RELATED PRODUCTS

BSA Diluent/Blocking Solution	Cat. No. 50-61-00
Milk Diluent/Blocking Solution	Cat. No. 50-82-01
Coating Solution Concentrate	Cat. No. 50-84-00
Wash Solution Concentrate	Cat. No. 50-63-00
SureBlue 1-Component TMB	Cat. No. 52-00-02
ABTS Microwell Substrate	Cat. No. 50-66-00
TMB Membrane Substrate	Cat. No. 50-77-18
4 CN Substrate System	Cat. No. 50-73-00

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