

## Product Information

**Anti-Mouse IgM ( $\mu$ -chain specific)  
antibody produced in goat  
affinity isolated antibody**

Catalog Number **M8644**

### Product Description

Anti-mouse IgM ( $\mu$ -chain specific) is developed in goat using purified mouse IgM (myeloma protein) as the immunogen. Affinity isolated antigen specific antibody is obtained from goat anti-mouse IgM antiserum by immunospecific purification which removes essentially all goat serum proteins, including immunoglobulins, which do not specifically bind to  $\mu$ -chain of mouse IgM.

Specificity for the  $\mu$ -chain of mouse IgM is determined by Indirect ELISA. The antibody preparation is specific for mouse IgM when tested against purified mouse IgA, IgG1, IgG2a, IgG2b, IgG3, and IgM, myeloma proteins.

Identity and purity of the antibody is established by immunoelectrophoresis (IEP). Electrophoresis of the antibody preparation followed by diffusion versus anti-goat IgG and anti-goat whole serum result in single arcs of precipitation.

### Reagents

The purified antibody is lyophilized from 0.01 M sodium phosphate, 0.015 M sodium chloride, pH 7.2, to which no preservatives have been added.

### Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

### Preparation Instructions

To one vial of lyophilized powder add sufficient 0.135 M sodium chloride to achieve a 1 mg/ml solution of antibody. Rotate vial gently until powder dissolves. This will yield a protein solution in 0.01 M phosphate buffered saline.

### Storage/Stability

Store the lyophilized product at 2–8 °C. After reconstitution, the solution may be stored frozen in working aliquots. Repeated freezing and thawing is **not** recommended. If slight turbidity occurs upon prolonged storage clarify the solution by centrifugation before use.

### Reference

1. Becker, W., Immunochem., **6**, 539 (1969).

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