CHEMICON® INTERNATIONAL

GOAT ANTI-MOUSE IgM μ CHAIN SPECIFIC ALKALINE PHOSPHATASE CONJUGATED, SPECIES ADSORBED (HUMAN) POLYCLONAL ANTIBODY

CATALOG NUMBER:	**AP500A**	**QUANTITY:**	1.0 mL
LOT NUMBER:	Xxx		
EPITOPE:	IgM μ chain	**HOST/ISOTYPE:**	Goat

BACKGROUND: IgM constitutes about 10% of serum immunoglobulins. IgM antibody is prominent in early immune responses to most antigens and predominates in certain antibody responses such as 'natural' blood group antibodies. IgM (with IgD) is the major immunoglobulin expressed on the surface of B cells. The gene for the mu constant region contains four domains separated by short intervening sequences.

SPECIFICITY: The antibody reacts with the heavy chain of mouse IgM as demonstrated by ELISA and flow cytometry. Minimal cross reactivity with human immunoglobulins.

APPLICATIONS: ELISA: 1:2,000-1:4,000.

Optimal working dilutions must be determined by the end user.

SPECIES REACTIVITY: Reacts with heavy chain of mouse IgM. Absorbed for mouse IgG1, IgG2a, IgG2b, IgG3 and IgA, pooled human sera and purified human paraproteins. Minimal cross reactivity with human immunoglobulins. Reactivity with other species has not been determined.

IMMUNOGEN: Prepared from purified mouse IgM μ chain. Pooled antisera from goats hyperimmunized with mouse IgM paraproteins.

PRESENTATION: Purified by affinity chromatography on mouse IgM covalently linked to agarose. Liquid in 50mM Tris/1mM $MgCl_2$/50% Glycerol, pH 8.0, containing 0.1% NaN_3 as preservative.

STORAGE/HANDLING: Maintain refrigerated at 2°-8°C under sterile conditions for up to twelve months from date of receipt. For long term storage, aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

For research use only; not for use as a diagnostic.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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