



**GOAT ANTI-MOUSE IgM μ CHAIN SPECIFIC
CY5 CONJUGATED, SPECIES ADSORBED (HUMAN)
POLYCLONAL ANTIBODY**

CATALOG NUMBER:	AP500S	QUANTITY:	1.0 mg
LOT NUMBER:		CONCENTRATION:	1 mg/mL
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:	<u>Immunofluorescence:</u> $\leq 0.1 \mu\text{g}/10^6$ cells <u>ELISA</u> <i>Optimal working dilutions must be determined by the end user.</i>		
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 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 1.0 mL PBS/NaN ₃ .		
STORAGE/HANDLING:	Maintain refrigerated at 2°-8°C under sterile conditions for up to twelve months from date of receipt.		

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.*

**FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC
PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION**

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