Advanced Targeting Systems

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Mouse IgM (mu chain) Goat Polyclonal
ATS-SELECT SECONDARY ANTIBODY

Catalog Number: AS-245
Quantity: 2 milligrams
Format: IgG, Liquid (sterile filtered)
Host: Goat
Immunogen: Mouse IgM whole molecule

Background: Anti-Mouse IgM (mu chain) antibody generated in goat detects specifically mouse IgM (mu chain). Immunoglobulin M is the largest antibody isotype and the first to be secreted against an initial exposure to antigen. IgM is predominantly produced in the spleen. Formed from covalently linking 5 immunoglobulins together, the approximate molecular weight of IgM is 900kDa and possesses 10 binding sites (though due to the size of most antigens, not all sites are capable of binding at once). Due to this large size, IgM is typically isolated to the serum. Anti-Mouse IgM antibody is ideal for investigators in Immunology, Microbiology, and Cell Biology.

Specificity & Preparation: Anti-Mouse IgM (mu chain) was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgM coupled to agarose followed by solid phase adsorption(s). Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Mouse IgM and Mouse Serum. No reaction was observed against other mouse heavy or light chain proteins.

Usage: Anti-Mouse IgM (mu chain) has been tested by ELISA, dot blot, and western blot and is suitable for immunoblotting (western or dot blot), ELISA, and immunohistochemistry assays requiring lot-to-lot consistency.
ELISA 1:20,400 - 1:40,400
Immunohistochemistry 1:1,000 - 1:5,000
Western Blot 1:2,000 - 1:10,000
Working dilutions must be determined by end user.

Storage: Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Expiration date is one (1) year from date of receipt.

To view protocol(s) for this and other products please visit: www.ATSbio.com/library/protocols