

**Mouse IgG2b Goat Polyclonal Pre-adsorbed
ATS-SELECT SECONDARY ANTIBODY**

Catalog Number: AS-236
Quantity: 1 milligram
Format: IgG, Liquid (sterile filtered)
Host: Goat
Immunogen: Mouse IgG2b heavy chain

Background: Anti-Mouse IgG2b Antibody generated in goat detects reactivity to Mouse IgG2b (Gamma 2b chain). Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. IgG2, the second largest of IgG isotypes, comprises almost 25% of IgG and has a low affinity for binding to the Fc receptor of phagocytic cells. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition.

Specificity & Preparation: Anti-MOUSE IgG2b (Gamma 2b chain) Antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgG2b coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Mouse Serum, Mouse IgG and Mouse IgG2b. No reaction was observed against Bovine, Human, and Rabbit Serum Proteins. Specificity was confirmed by ELISA for human and rabbit. For IgG1, IgG2a and IgG3 reactivity was less than 5% against target (IgG2b, IgG). Cross-reactivity against Bovine is assessed only by IEP.

Usage: Mouse IgG2b secondary antibody has been tested by dot blot and ELISA and is available in a variety of formats. Anti-Mouse IgG2b secondary antibody is suitable for ELISA, Immunohistochemistry, western blotting as well as other anti IgG2b antibody based assays.

ELISA 1:40,000 - 1:200,000

Immunohistochemistry 1:2,000 - 1:10,000

Western Blot 1:4,000 - 1:20,000

Working dilutions must be determined by end user.

Storage: Store vial at 4° C prior to opening. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage, mix with an equal volume of glycerol, 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