

**Mouse IgG2a Goat Polyclonal Pre-adsorbed
ATS-SELECT SECONDARY ANTIBODY**

Catalog Number: AS-235
Quantity: 1 milligram
Format: IgG, Liquid (sterile filtered)
Host: Goat
Immunogen: Mouse IgG2a heavy chain

Background: Anti-Mouse IgG2a Antibody generated in goat detects reactivity to Mouse IgG2a (Gamma 2a 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: MOUSE IgG2a Antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgG2a 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 IgG2a. No reaction was observed against Bovine, Human, and Rabbit Serum Proteins. Specificity was confirmed by ELISA for human and rabbit. For IgG1, IgG2b and IgG3 reactivity was less than 5% against target (IgG2a, IgG). Cross-reactivity against Bovine is assessed only by IEP.

Usage: Anti-Mouse IgG2a secondary antibody has been tested by ELISA and dot blot and is suitable for ELISA, Immunohistochemistry western blotting as well as other anti IgG2a antibody based assays. Mouse IgG2a secondary antibody is available in a variety of formats.

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