

Mouse IgG (gamma chain) Rabbit Polyclonal
ATS-SELECT SECONDARY ANTIBODY

Catalog Number: AS-255
Quantity: 1 milligram
Format: IgG, Liquid (sterile filtered)
Host: Rabbit
Immunogen: Mouse IgG gamma heavy chain

Background: Anti-Mouse IgG Antibody generated in rabbit detects reactivity to Mouse IgG gamma chain. Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the compliment cascade, and opsonization for phagocytosis. The whole IgG molecule possesses both the F(c) region, recognized by high-affinity Fc receptor proteins, as well as the F(ab) region possessing the epitope-recognition site. IgG gamma chain of the antibody is the F(c) region. 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: This product was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgG 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-Rabbit Serum, Mouse IgG and Mouse Serum. No reaction was observed against Mouse IgM or Mouse IgA. Specificity was confirmed by ELISA at less than 1% cross-reactivity against other Mouse heavy or light chain isotypes.

Usage: Anti-Mouse IgG Antibody has been tested by ELISA and is designed for ELISA, western blotting, and immunohistochemistry. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.

ELISA 1:10,000 - 1:50,000

Immunohistochemistry 1:500 - 1:2,500

Western Blot 1:1,000 - 1:5,000

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