

**Human IgG IgA IgM (H&L) Goat Polyclonal
ATS-SELECT SECONDARY ANTIBODY**

Catalog Number: AS-210
Quantity: 2 milligrams
Format: IgG, Liquid (sterile filtered)
Host: Goat
Immunogen: Human IgG, IgA and IgM whole molecules

Background: Anti-Human IgG IgA IgM (H&L) Antibody generated in goat detects human (heavy and light chain) immunoglobulin G, A, and M. Immunoglobulin G binds to antigens and can neutralize or opsonize targets, and are predominantly involved in the secondary immune response. Immunoglobulin A (IgA) is an antibody that plays a critical role in mucosal immunity. IgA has two subclasses (IgA1 and IgA2) and can exist in a dimeric form called secretory IgA (sIgA). Immunoglobulin M, or IgM, is a pentamer composed of 5 immunoglobulin molecules linked through their F(c) domain by the J chain. 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 polyspecific antiserum by immunoaffinity chromatography using antigens 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, Human IgG, Human IgA and Human IgM. This reagent is suitable for the detection of all Human immunoglobulin subclasses and chain combinations.

Usage: Anti-Human IgG IgA IgM antibody has been tested by ELISA and dot blot and is suitable for western blot and immunohistochemistry, as well as other assays requiring lot-to-lot consistency.

ELISA 1:28,800 - 1:48,800

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