

Anti-Rat IgG IgA IgM (H&L) (Peroxidase Conjugated) Secondary Antibody

Goat Polyclonal, Peroxidase (Horseradish)

Catalog # ASR2892

Product Information

Description	Anti-Rat IgG IgA IgM (H&L) (GOAT) Antibody Peroxidase Conjugated
Host	Goat
Conjugate	Peroxidase (Horseradish)
Target Species	Rat
Clonality	Polyclonal
Physical State	Lyophilized
Host Isotype	IgG
Target Isotype	IgG IgA IgM
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Rat IgG, IgA and IgM whole molecules
Reconstitution Volume	1.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Thimerosal

Additional Information

Shipping Condition	Ambient
Application Note	Anti-Rat IgG IgA IgM Antibody is suitable for immunoassays where reactivity to different classes of rat immunoglobulins is desired. Antibody has been tested by ELISA, western blot immunoblot, and immunohistochemistry. Optimal concentrations in immunoassays should be determined by the researcher.
Purity	Anti-Rat IgG IgA IgM (H&L) Antibody, Peroxidase Conjugated, was prepared from polyspecific antiserum by immunoaffinity chromatography using Rat 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-Peroxidase and anti-Goat Serum. This reagent is suitable for the detection of all Rat immunoglobulin isotypes and chain combinations.
Storage Condition	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Precautions Note	This product is for research use only and is not intended for therapeutic or diagnostic applications.

Background

Rat IgG IgA IgM (H&L) Antibody detects immunoglobulin G, A, and M from Rat. 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.