10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

Goat Polyclonal, Peroxidase (Horseradish)
Catalog # ASR2892

## Product Information

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| **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

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| **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 immunohistochemisty. 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 opsinize targts, 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 immunogobulin 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'.