

**Anti-Rat IgG IgA IgM (H&L) Secondary Antibody**  
**Goat Polyclonal, Unconjugated**  
**Catalog # ASR1867****Specification****Anti-Rat IgG IgA IgM (H&L) Secondary Antibody - Product Information**

Description	<b>Anti-Rat IgG IgA IgM (H&amp;L) (GOAT) Antibody</b>
Host	<b>Goat</b>
Conjugate	<b>Unconjugated</b>
Target Species	<b>Rat</b>
Clonality	<b>Polyclonal</b>
Application	<b>,1,10,15,</b>
Application Note	<b>ELISA 1:20,000-1:100,000;Western Blot 1:2,000-1:10,000;Immunochemistry 1:1,000-1:5,000</b>
Physical State	<b>Liquid (sterile filtered)</b>
Host Isotype	<b>IgG</b>
Target Isotype	<b>IgG IgA IgM</b>
Buffer	<b>0.125 M Sodium Borate, 0.075 M Sodium Chloride, 0.005 M EDTA, pH 8.0</b>
Immunogen	<b>Rat IgG, IgA and IgM whole molecules</b>
Species of Origin	<b>Rat</b>
Stabilizer	<b>None</b>
Preservative	<b>0.01% (w/v) Sodium Azide</b>

**Anti-Rat IgG IgA IgM (H&L) Secondary Antibody - Additional Information****Shipping Condition**

Wet Ice

**Purity**

Goat-Anti-Rat IgG IgA IgM Antibody 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, Rat IgG, Rat IgA and Rat IgM. This reagent is suitable for the detection of all Rat immunoglobulin subclasses and chain combinations.

**Storage Condition**

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.

**Precautions Note**

This product is for research use only and is not intended for therapeutic or diagnostic applications.

**Anti-Rat IgG IgA IgM (H&L) Secondary Antibody - Protein Information**

**Anti-Rat IgG IgA IgM (H&L) Secondary Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-Rat IgG IgA IgM (H&L) Secondary Antibody - Images****Anti-Rat IgG IgA IgM (H&L) Secondary Antibody - Background**

Rat IgM antibody recognizes the mu chain of the Rat IgM. No reaction was observed against Rat IgA or Rat IgG. ELISA was used to confirm specificity at less than 1% cross reactivity against other rat heavy or light chain isotypes. Anti-Rat IgM antibody is ideal with investigators involved in serum component protein research.