

Anti-Rat IgG (H&L) (Biotin Conjugated) Secondary Antibody Goat Polyclonal, Biotin Catalog # ASR1652

Specification

Anti-Rat IgG (H&L) (Biotin Conjugated) Secondary Antibody - Product Information

Description

- Host Conjugate Target Species Clonality Application Application Note
- Physical State Host Isotype Target Isotype Buffer

Immunogen Reconstitution Volume Reconstitution Buffer

Stabilizer

Preservative

Anti-RAT IgG (H&L) (GOAT) Antibody Biotin Conjugated Goat Biotin Rat Polyclonal ,1,10,15, ELISA 1:20,000-1:100,000;Western Blot 1:2,000-1:10,000;Immunochemistry 1:1,000-1:5,000 Lyophilized laG IqG (H&L) 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Rat IgG whole molecule 1.0 mL Restore with deionized water (or equivalent) 10 mg/mL Bovine Serum Albumin (BSA) -**Immunoglobulin and Protease free** 0.01% (w/v) Sodium Azide

Anti-Rat IgG (H&L) (Biotin Conjugated) Secondary Antibody - Additional Information

Shipping Condition Ambient

Purity

Anti-RAT IgG Biotin Conjugated antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Rat IgG coupled to agarose. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-biotin, anti-Goat Serum, Rat IgG and Rat Serum.

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.



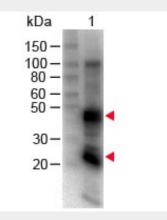
Anti-Rat IgG (H&L) (Biotin Conjugated) Secondary Antibody - Protein Information

Anti-Rat IgG (H&L) (Biotin Conjugated) Secondary Antibody - Protocols

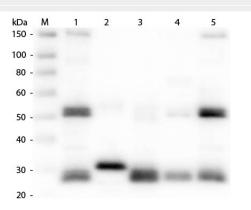
Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- <u>Blocking Peptides</u>
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-Rat IgG (H&L) (Biotin Conjugated) Secondary Antibody - Images



Western Blot of Goat anti-Rat IgG (H&L) Antibody Biotin Conjugated. Lane 1: Rat IgG. Load: 100 ng per lane. Primary antibody: Rat IgG (H&L) Antibody Biotin Conjugated at 1:1000 for 60 min RT. Secondary antibody: HRP Conjugated Streptavidin at 1:40,000 for 30 min at RT. Block: MB-070 for 30 min at RT.



Western Blot of Anti-Rat IgG (H&L) (GOAT) Antibody . Lane M: 3 μ I Molecular Ladder. Lane 1: Rat IgG whole molecule . Lane 2: Rat IgG F(c) Fragment . Lane 3: Rat IgG F(ab) Fragment . Lane 4: Rat IgM Whole Molecule . Lane 5: Rat Serum . All samples were reduced. Load: 50 ng per Iane. Block: MB-070 for 30 min at RT. Primary Antibody: Anti-Rat IgG (H&L) (GOAT) Antibody 1:1,000 for 60 min at RT. Secondary Antibody: Anti-Goat IgG (DONKEY) Peroxidase Conjugated Antibody



1:40,000 in MB-070 for 30 min at RT. Predicted/Obsevered Size: 25 and 55 kDa for Rat IgG and Serum, 25 kDa for F(c) and F(ab), 78 and 25 kDa for IgM. Rat F(c) migrates slightly higher.

Anti-Rat IgG (H&L) (Biotin Conjugated) Secondary Antibody - Background

RAT IgG Biotin Conjugated antibody detects rat immunoglobulin G. Immunoglobuoin G is a molecule of about 150 kDa composed of four peptide chains. Each IgG contains two identical ? heavy chains of about 51 kDa and two identical light chains of about 26 kDa, thus a tetrameric quaternary structure. The two heavy chains are linked to each other and to a light chain each by disulfide bonds. The resulting tetramer has two identical halves, which together form the Y-like shape. Each end of the fork contains an identical antigen binding site. The Fc regions of IgGs bear a highly conserved N-glycosylation site.