10320 Camino Santa Fe, Suite G
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Anti-Rat IgG (H&L) (Fluorescein Conjugated) Secondary Antibody
Goat Polyclonal, Fluorescein (FITC)
Catalog # ASR1431

Specification

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

Description	**Anti-RAT IgG (H&L) (GOAT) Antibody Fluorescein Conjugated**
Host	**Goat**
Conjugate	**Fluorescein (FITC)**
FP Value	**3.8 moles Fluorescein (FITC) per mole of IgG**
Target Species	**Rat**
Clonality	**Polyclonal**
Application	**,3,**
Application Note	**IF Microscopy 1:500-1:2,500**
Physical State	**Lyophilized**
Host Isotype	**IgG**
Target Isotype	**IgG (H&L)**
Buffer	**0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2**
Immunogen	**Rat IgG whole molecule**
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) Sodium Azide**

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

Shipping Condition
Ambient

Purity
This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rat IgG 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-Fluorescein, 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.

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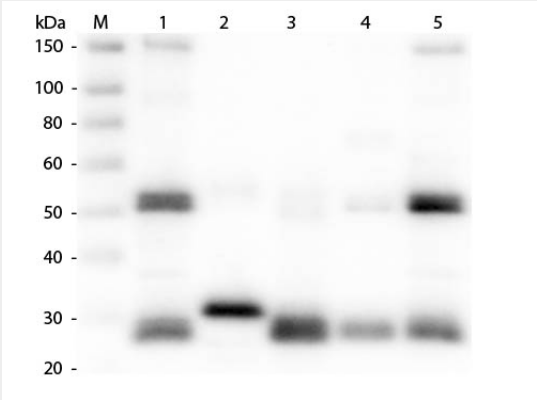
Anti-Rat IgG (H&L) (Fluorescein Conjugated) Secondary Antibody - Protein Information

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

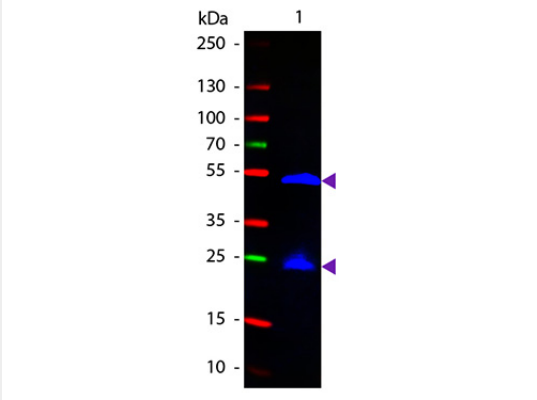
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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



Western Blot of Anti-Rat IgG (H&L) (GOAT) Antibody . Lane M: 3 µl 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 lane. 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.



Western Blot of Fluorescein conjugated Goat anti-Rat IgG secondary antibody. Lane 1: Rat IgG.

Lane 2: none. Load: 50 ng per lane. Primary antibody: none. Secondary antibody: Fluorescein goat secondary antibody at 1:1,000 for 60 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 25 & 55 kDa, 25 & 55 kDa for Rat IgG. Other band(s): none.

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

This product is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.