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

Anti-Mouse IgG (H&L) (ATTO 488 Conjugated) Pre-Adsorbed Secondary Antibody
Goat Polyclonal, ATTO 488
Catalog # ASR3232

Specification

Anti-Mouse IgG (H&L) (ATTO 488 Conjugated) Pre-Adsorbed Secondary Antibody - Product Information

Description	**Anti-MOUSE IgG (H&L) (GOAT) Antibody ATTO 488 Conjugated (Min X Bv Ch Gt GP Ham Hs Hu Rb Rt & Sh Serum Proteins)**
Host	**Goat**
Conjugate	**ATTO 488**
FP Value	**3.5 moles ATTO 488 per mole of IgG**
Target Species	**Mouse**
Clonality	**Polyclonal**
Application	**,1,3,**
Application Note	**FLISA >1:20,000;IF Microscopy >1:5,000;Western Blot >1:10,000**
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	**Mouse IgG whole molecule**
Reconstitution Volume	**500 µL**
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-Mouse IgG (H&L) (ATTO 488 Conjugated) Pre-Adsorbed Secondary Antibody - Additional Information

Shipping Condition
Ambient

Purity
Mouse IgG (H&L) Antibody ATTO 488 was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse 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-Goat Serum, Mouse IgG and Mouse Serum. No reaction was observed against Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Rabbit, Rat and Sheep Serum Proteins. This antibody will react with heavy chains of mouse IgG and with light chains of most mouse immunoglobulins.

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.

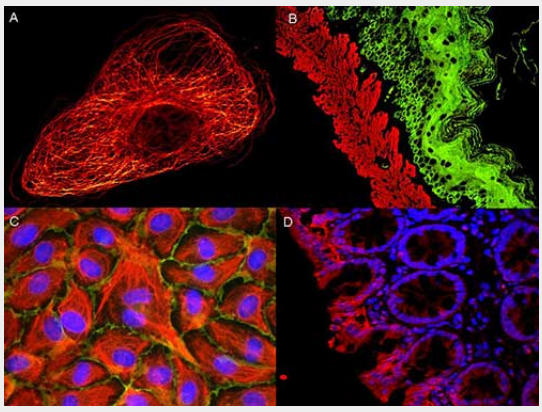
Anti-Mouse IgG (H&L) (ATTO 488 Conjugated) Pre-Adsorbed Secondary Antibody - Protein Information

Anti-Mouse IgG (H&L) (ATTO 488 Conjugated) Pre-Adsorbed Secondary Antibody - Protocols

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

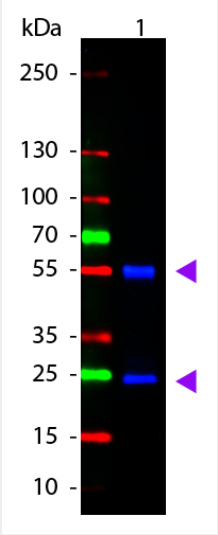
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Mouse IgG (H&L) (ATTO 488 Conjugated) Pre-Adsorbed Secondary Antibody - Images



ATTO ® dyes can be used for multicolor immunofluorescent detection with low background and high signal. Examples shown are: A. Tubulin in PtK2- male Rat Kangaroo Kidney Epithelial Cells was detected using ATTO 532 labeled secondary antibody. B. Muscle alpha-actin was stained with a mouse primary antibody and ATTO 488 anti-mouse IgG (green) while Cytokeratin was stained with polyclonal rabbit anti-cytokeratin and ATTO 647N anti-rabbit IgG (red). C. HUVEC (Human umbilical vein endothelial cells were stained with anti- Vimentin-ATTO 532 (green), anti-E-Cadherin-ATTO 655 (red) and DAPI (blue). D. Rat colon sections were stained with Anti-Aquaporin 3-ATTO 594 antibody. Hoechst 33342 (blue) is used as counterstain. Images provided courtesy of Dr. Jörg Reichwein, ATTO-TEC GmbH

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



Western Blot of ATTO 488 conjugated Goat anti-Mouse IgG (Pre-Adsorbed) secondary antibody. Lane 1: Mouse IgG. Lane 2: none. Load: 50 ng per lane. Primary antibody: none. Secondary antibody: ATTO 488 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 Mouse IgG. Other band(s): none.

Anti-Mouse IgG (H&L) (ATTO 488 Conjugated) Pre-Adsorbed Secondary Antibody - Background

Anti-Mouse IgG (H&L) conjugated by ATTO 488 is designed for STED microscopy, FRET, 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.