

**Anti-MOUSE IgG1 (Gamma 1 chain) (ATTO 488 Conjugated) Secondary Antibody**  
**Goat Polyclonal, ATTO 488**  
**Catalog # ASR3228****Specification****Anti-MOUSE IgG1 (Gamma 1 chain) (ATTO 488 Conjugated) Secondary Antibody - Product Information**

Description	<b>Anti-MOUSE IgG1 (Gamma 1 chain) (GOAT) Antibody ATTO 488 Conjugated (Min Cross Bv, Hu, and Rb Serum Proteins)</b>
Host	<b>Goat</b>
Conjugate	<b>ATTO 488</b>
FP Value	<b>3.6 moles ATTO 488 per mole of IgG</b>
Target Species	<b>Mouse</b>
Reactivity	<b>Mouse</b>
Clonality	<b>Polyclonal</b>
Application	<b>WB, IF</b>
Application Note	<b>FLISA &gt;1:20,000;IF Microscopy &gt;1:5,000;Western Blot &gt;1:10,000</b>
Physical State	<b>Lyophilized</b>
Host Isotype	<b>IgG</b>
Target Isotype	<b>IgG1</b>
Buffer	<b>0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</b>
Immunogen	<b>Mouse IgG1 heavy chain</b>
Reconstitution Volume	<b>500 µL</b>
Reconstitution Buffer	<b>Restore with deionized water (or equivalent)</b>
Stabilizer	<b>10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free</b>
Preservative	<b>0.01% (w/v) Sodium Azide</b>

**Anti-MOUSE IgG1 (Gamma 1 chain) (ATTO 488 Conjugated) Secondary Antibody - Additional Information****Shipping Condition**

Ambient

**Purity**

Anti-Mouse IgG1 antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgG1 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 Serum and Mouse IgG. No reaction was observed against Bovine, Human, and Rabbit Serum Proteins. Specificity was confirmed by ELISA at less than 0.5% of target signal.

**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.

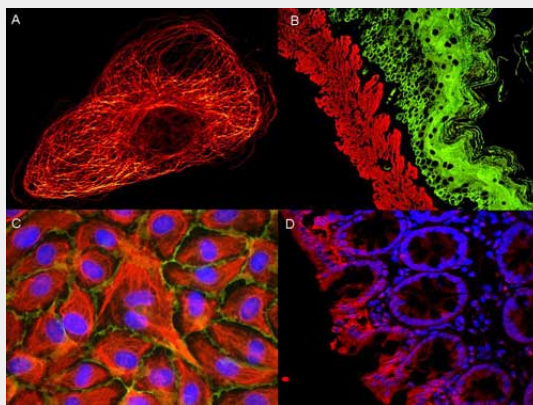
#### **Anti-MOUSE IgG1 (Gamma 1 chain) (ATTO 488 Conjugated) Secondary Antibody - Protein Information**

#### **Anti-MOUSE IgG1 (Gamma 1 chain) (ATTO 488 Conjugated) Secondary Antibody - Protocols**

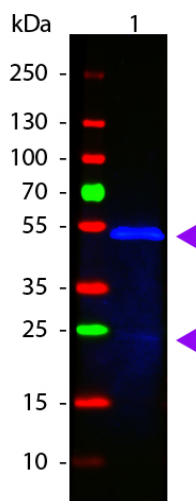
Provided below are standard protocols that you may find useful for product applications.

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

#### **Anti-MOUSE IgG1 (Gamma 1 chain) (ATTO 488 Conjugated) 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



Western Blot of ATTO 488 conjugated Goat anti-Mouse IgG1 (Gamma 1 chain) (Pre-Adsorbed) secondary antibody. Lane 1: Mouse IgG1. 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: 55 kDa, 55 kDa for Mouse IgG1 (Gamma 1 chain). Other band(s): none.

#### **Anti-MOUSE IgG1 (Gamma 1 chain) (ATTO 488 Conjugated) Secondary Antibody - Background**

ATTO Dye Conjugated Secondary Antibodies are 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. When choosing a secondary antibody, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition.