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

Anti-MOUSE IgG1 (Gamma 1 chain) (ATTO 647N Conjugated) Secondary Antibody
Goat Polyclonal, ATTO 647N
Catalog # ASR3248

Specification

Anti-MOUSE IgG1 (Gamma 1 chain) (ATTO 647N Conjugated) Secondary Antibody - Product Information

Description	**Anti-MOUSE IgG1 (Gamma 1 chain) (GOAT) Antibody ATTO 647N Conjugated (Min Cross Bv, Hu, and Rb Serum Proteins)**
Host	**Goat**
Conjugate	**ATTO 647N**
FP Value	**1.4 moles ATTO 647N per mole of IgG**
Target Species	**Mouse**
Reactivity	**Mouse**
Clonality	**Polyclonal**
Application	**,1,3,4,**
Application Note	**FLISA >1:20,000;IF Microscopy >1:5,000;FlowCytometry 1:500-1:2,500;Western Blot >1:10,000**
Physical State	**Lyophilized**
Host Isotype	**IgG**
Target Isotype	**IgG1**
Immunogen	**Mouse IgG1 heavy chain**
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 IgG1 (Gamma 1 chain) (ATTO 647N 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 1% of target signal.

Storage Condition
Store vial at 4° C prior to restoration. For extended storage aliquot secondary antibody 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.

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

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

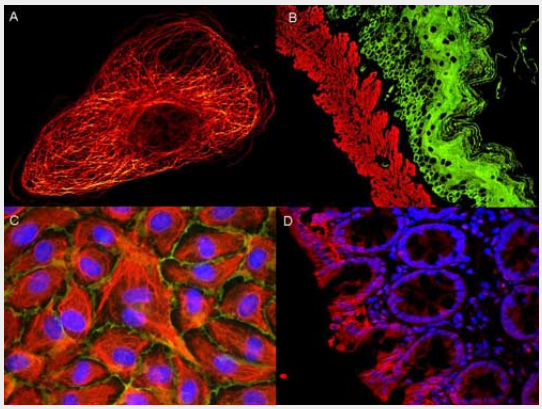
Anti-MOUSE IgG1 (Gamma 1 chain) (ATTO 647N Conjugated) Secondary Antibody - Protein Information

Anti-MOUSE IgG1 (Gamma 1 chain) (ATTO 647N Conjugated) Secondary Antibody - Protocols

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

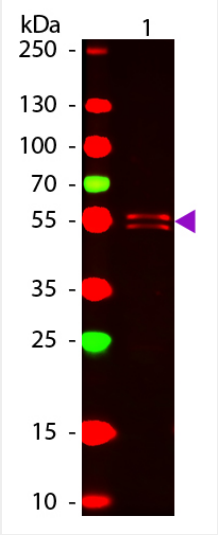
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-MOUSE IgG1 (Gamma 1 chain) (ATTO 647N 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

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



Western Blot of ATTO 647N 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 647N 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. Other band(s): none.

Anti-MOUSE IgG1 (Gamma 1 chain) (ATTO 647N 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.