Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Rhodamine

Product Details	
Size	1.5 mg
Species Reactivity	Mouse
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	Rhodamine
Excitation/Emission Max	573/591 nm
Form	Lyophilized
Concentration	1.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.6, with 15mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	4° C
RRID	AB_228303

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	1:50 - 1:200	-
Immunocytochemistry (ICC/IF)	1.5 µg/mL	-
Flow Cytometry (Flow)	1:50 - 1:200	-
Immunoprecipitation (IP)	1:50 - 1:200	-

Product Specific Information

Concentration may vary slightly from lot-to-lot, see lot-specific datasheet for exact concentration.

Product # 31661 has been successfully used in Western blot, IF, ICC, IHC, IP and FACS applications.

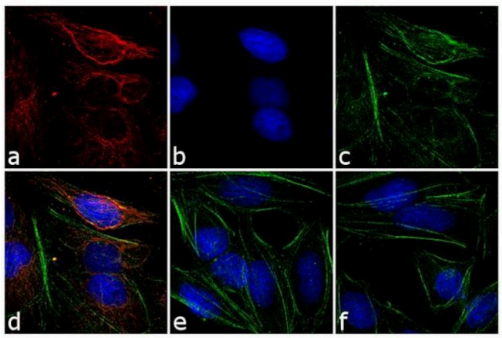
Product # 31661 reacts with the heavy chains of mouse IgG and with the light chains common to most mouse immunoglobulins, but does not react against non-immunoglobulin serum proteins. The antibody has been tested by ELISA and /or solid-phase adsorbed to ensure minimal cross-reaction with human, bovine and horse serum proteins. However, this antibody may cross-react with immunoglobulins from other species.

Store product protected from light at 4°C until opened. To extend the shelf-life of this product, add an equal volume of glycerol to make a final concentration of approximately 50% glycerol and store at -20°C. Rhodamine Amax= 550 nm; Emax= 570 nm. Fluorophore/Protein Absorbance Ratio: A550/A280 = 0.52 (lot-dependent).

Reconstitute with 1.1 mL of distilled water (1.5 mg/mL after restoration).

Country of Origin: USA

Product Images For Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Rhodamine



Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody (31661) in ICC/IF
Immunofluorescence analysis of Goat anti-Mouse IgG (H+L) Cross Adsorbed Secondary Antibody, Rhodamine conjugate was performed using MCF-7 cells stained with alpha Tubulin (23610501) Mouse Monoclonal Primary Antibody (Product # A11126). The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, blocked with 1% BSA for 1 hour and labeled with Mouse primary antibody (1:250 dilution) for 3 hours at room temperature. Goat anti-Mouse IgG (H+L) Cross Adsorbed Secondary Antibody, Rhodamine conjugate (Product # 31661) was used at a concentration of 2 µg/mL in phosphate buffered saline containing 0.2 % BSA for 45 minutes at room temperature, for detection of alpha Tubulin in the cytoplasm (Panel a: red). Nuclei (Panel b: blue) were stained with DAPI in SlowFade® Gold Antifade Mountant (Product # S36938). F-actin was stained with Alexa Fluor® 488 Phalloidin (Product # A12379, 1:300) (Panel c: green). Panel d represents the composite image. No nonspecific staining was observed with the secondary antibody alone (panel f), or with an isotype control (panel e). The images were captured at 60X magnification.

1 Reference

Evolved Populations of Shigella flexneri Phage Sf6 Acquire Large Deletions, Altered Genomic Architecture, and Faster Life Cycles. Genome Biol Evol (2016)

Mechanism of restriction of normal and cystic fibrosis transmembrane conductance regulator-deficient human tracheal gland cells to adenovirus infection and ad-mediated gene transfer. Am J Respir Cell Mol Biol (2002)

Cloning human natural killer cells. Methods Mol Biol (2000)