Goat anti-Mouse IgG (H+L) Secondary Antibody, DyLight™ 488

Product Details	
Size	1 mL
Species Reactivity	Mouse
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	DyLight™ 488
Excitation/Emission Max	492/519 nm
Immunogen	Purified Mouse IgG, whole molecule
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.2, with 1% BSA
Contains	0.02% sodium azide
Storage conditions	4° C
RRID	AB_844397

Applications	Tested Dilution	Publications
Western Blot (WB)	1:5,000-1:20,000	0 Publication
Immunohistochemistry (IHC)	-	0 Publication
Immunohistochemistry (Paraffin) (IHC (P))	Assay-dependent	0 Publication
Immunocytochemistry (ICC/IF)	1 µg/mL	0 Publication
Flow Cytometry (Flow)	1:25 - 1:100	-
Immunoprecipitation (IP)	Assay-dependent	-
Miscellaneous PubMed (Misc)	-	0 Publication

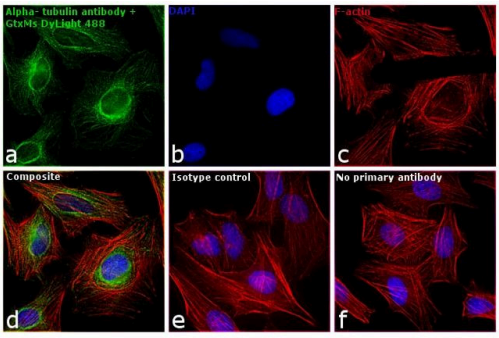
Product Specific Information

Product # 35502 has been successfully used in Western blot, IF, ICC, IHC, IP and FACS applications.

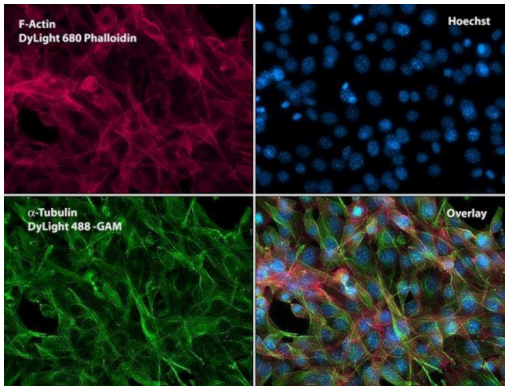
Product # 35502 reacts with the heavy chains of mouse IgG and with the light chains common to most mouse immunoglobulins, but does not react against non-immunoglobulin serum proteins. However, this antibody may cross-react with immunoglobulins from other species.

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. DyLight 488 Amax= 493 nm; Emax= 518 nm. Mole Dye/Mole Protein Ratio is lot-dependent.

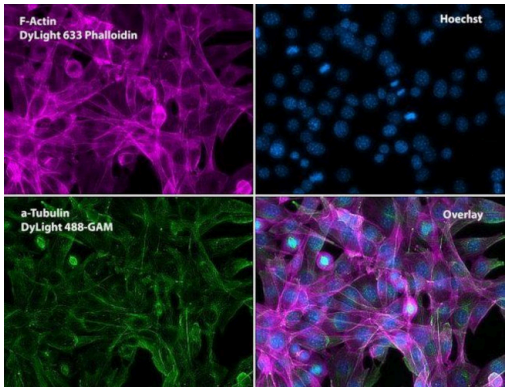
Product Images For Goat anti-Mouse IgG (H+L) Secondary Antibody, DyLight™ 488



Mouse IgG (H+L) Secondary Antibody (35502) in ICC/IF
Immunofluorescence analysis of Goat anti-Mouse IgG (H+L) Secondary Antibody DyLight® 488 conjugate was performed using HeLa cells stained with alpha Tubulin (236-10501) Mouse Monoclonal 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 2 µg/mL Mouse primary antibody for 3 hours at room temperature. Goat anti-Mouse IgG (H+L) Secondary Antibody DyLight® 488 conjugate (Product # 35502) was used at a concentration of 1 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: green). Nuclei (Panel b: blue) were stained with DAPI in SlowFade® Gold Antifade Mountant (Product # S36938). F-actin was stained with Rhodamine Phalloidin (Product # R415, 1:300) (Panel c: red). 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.



Mouse IgG (H+L) Secondary Antibody (35502) in ICC/IF
Immunofluorescent analysis of Phalloidin (dark red) and alpha-Tubulin (green) in NIH 3T3 cells. Formalin fixed cells were permeabilized with 0.1% Triton X-100 in PBS for 10 minutes at room temperature and blocked with 2% BSA (Product # 37525) in PBS + 0.1% Triton X-100 for 30 minutes at room temperature. Cells were probed with an alpha-Tubulin monoclonal antibody (Product # MA1-19162) at a dilution of 1:1000 for at least 1 hour at room temperature, washed with PBS, and incubated with DyLight 488 goat anti-mouse IgG secondary antibody (Product # 35502) at a dilution of 1:250 for 30 minutes at room temperature. Actin was stained with DyLight 680 Phalloidin (Product # 21839) at a dilution of 1:120 (2.5 units/mL final concentration) and nuclei (blue) were stained with Hoechst (Product # 62249) at a concentration of 1 µg/mL for 30 minutes. Images were taken on a Zeiss Axio Observer Z1 microscope at 20X magnification.



Mouse IgG (H+L) Secondary Antibody (35502) in ICC/IF
Immunofluorescent analysis of Phalloidin (magenta) and alpha-Tubulin (green) in NIH 3T3 cells. Formalin fixed cells were permeabilized with 0.1% Triton X-100 in PBS for 10 minutes at room temperature and blocked with 2% BSA (Product # 37525) in PBS + 0.1% Triton X-100 for 30 minutes at room temperature. Cells were probed with an alpha-Tubulin monoclonal antibody (Product # MA1-19162) at a dilution of 1:1000 for at least 1 hour at room temperature, washed with PBS, and incubated with DyLight 488 goat anti-mouse IgG secondary antibody (Product # 35502) at a dilution of 1:250 for 30 minutes at room temperature. Actin was stained with DyLight 633 Phalloidin (Product # 21840) at a dilution of 1:120 (2.5units/mL final concentration) and nuclei (blue) were stained with Hoechst (Product # 62249) at a concentration of 1 µg/mL for 30 minutes. Images were taken on a Zeiss Axio Observer Z1 microscope at 20X magnification.

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108 References

LP-118 is a novel B-cell lymphoma 2 / extra-large inhibitor that demonstrates efficacy in models of venetoclaxresistant chronic lymphocytic leukemia. Haematologica (2025)

G protein-coupled receptor 17 inhibits glucagon-like peptide-1 secretion via a Gi/o-dependent mechanism in enteroendocrine cells bioRxiv (2024)

Deletion of ASPP1 in myofibroblasts alleviates myocardial fibrosis by reducing p53 degradation. Nat Commun (2024)

-TrCP-Mediated Proteolysis of Mis18 Prevents Mislocalization of CENP-A and Chromosomal Instability. Mol Cell Biol (2024)

SARS-CoV-2 nucleocapsid protein promotes self-deacetylation by inducing HDAC6 to facilitate viral replication. Virol J (2024)

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