

Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 532

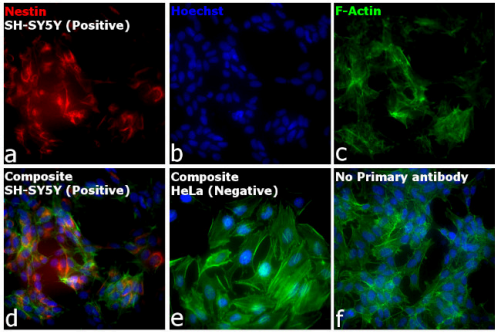
Product Details	
Size	1 mg
Species Reactivity	Mouse
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	Alexa Fluor™ 532
Excitation/Emission Max	534/553 nm
Immunogen	Gamma Immunoglobins Heavy and Light chains
Form	Liquid
Concentration	2 mg/mL
Purification	purified
Storage buffer	PBS, pH 7.5
Contains	5mM sodium azide
Storage conditions	4° C, store in dark
RRID	AB_2534070

Applications	Tested Dilution	Publications
Western Blot (WB)	1:2,500-1:5,000	-
Immunohistochemistry (IHC)	-	0 Publication
Immunocytochemistry (ICC/IF)	1:1,000-1:2,000	0 Publication
Flow Cytometry (Flow)	1-10 µg/mL	-
Immunomicroscopy (IM)	-	0 Publication
Miscellaneous PubMed (Misc)	-	0 Publication

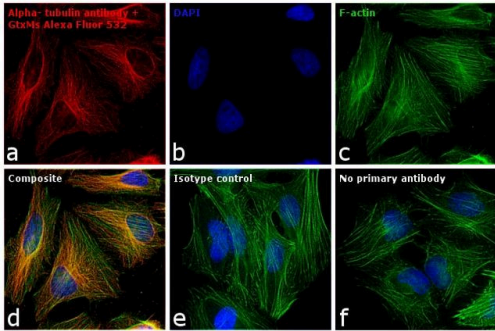
Product Specific Information

Product will be shipped at Room Temperature.

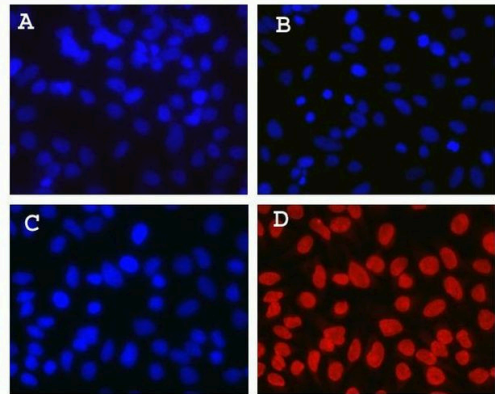
Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody (A-11002) in ICC/IF
Immunofluorescence analysis of Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 532 (Product # A-11002) was performed using SH-SY5Y (positive model) and HeLa (negative model) cells stained with Nestin Monoclonal Antibody (10C2), eBioscience™ (Product # 14-9843-80). The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, blocked with 2% BSA for 1 hour and labeled with 1:500 dilution of primary antibody overnight at 4C. Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 532 (Product # A-11002, 1:2000 dilution) in 0.1% BSA in PBS for 1 hour at room temperature, was used for detection of Nestin on the cytoskeleton (Panel a: Red). Nuclei (Panel b: blue) were stained with Hoechst33342 (Product # H1399). F-actin was stained with Alexa Fluor® 488 Phalloidin (Product # A12379, 1:500) (Panel c: green). Panel d represents the composite image. The specificity of the secondary antibody was proved by the absence of signal in HeLa (negative model for Nestin) due to no primary antibody binding (Panel e). Non-specific staining was not observed with secondary antibody alone (panel f). The images were captured at 40X magnification in CellInsight CX7 LZR High-Content Screening (HCS) Platform (Product # CX7A1110LZR).



Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody (A-11002) in ICC/IF
Immunofluorescence analysis of Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor® 532 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 primary antibody for 3 hours at room temperature. Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor® 532 (Product # A-11002) 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.



Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody (A-11002) in ICC/IF
A= 10 µg/mL Primary Antibody, No BRDU incubation 2nd Antibody: A11002 1:200 dilution (DAPI=Blue), B= No Primary antibody, Hela cells incubated in 30 µg/mL for 24hrs, 2nd Antibody: Product # A11002 1:200 dilution (DAPI= Blue), C= 2.5 µg/mL Primary Antibody, Hela cells incubated in 30 µg/mL for 24hrs 2nd Antibody: Product # A11002 (Only Blue/Dapi shown), D= 2.5 µg/mL Primary Antibody, Hela cells incubated in 30 µg/mL for 24hrs 2nd Antibody: Product # A11002 (Only red/Alexa 532 shown), D= 2.5 µg/mL Primary Antibody, Hela cells incubated in 30 µg/mL for 24hrs 2nd Antibody: Product # A11002 (Only red/Alexa 532 shown).



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91 References

Reduced systemic autophagy by simultaneous loss of ATG4B, ATG4C and ATG4D leads to accelerated aging in mice bioRxiv (2025)

Single-cell differential detergent fractionation for detection of cytokeratin 8 proteoforms bioRxiv (2025)

A unique and biocompatible corneal collagen crosslinking in vivo. Sci Rep (2024)

Vascular HIF2 signaling prevents cardiomegaly, alveolar congestion and capillary remodeling during chronic hypoxia bioRxiv (2024)

A unique and biocompatible approach for corneal collagen crosslinking in vivo bioRxiv (2024)

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