Goat anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 555

Product Details	
Size	1 mg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	Alexa Fluor® Plus 555
Immunogen	Gamma Immunoglobins Heavy and Light chains
Form	Liquid
Concentration	2 mg/mL
Purification	Affinity chromatography
Storage buffer	proprietary buffer, pH 6.5
Contains	0.016% Methylisothiazolone, 0.016% Bromonitrodioxane
Storage Conditions	4° C, store in dark
RRID	AB_2633276

Applications	Tested Dilution	Publications
Western Blot (WB)	0.1-0.4 µg/mL	-
Immunohistochemistry (IHC)	-	2 Publications
Immunocytochemistry (ICC)	-	6 Publications
Immunofluorescence (IF)	-	6 Publications
Miscellaneous PubMed (Misc)	-	24 Publications
Immunocytochemistry (ICC/IF)	1-10 µg/mL	-

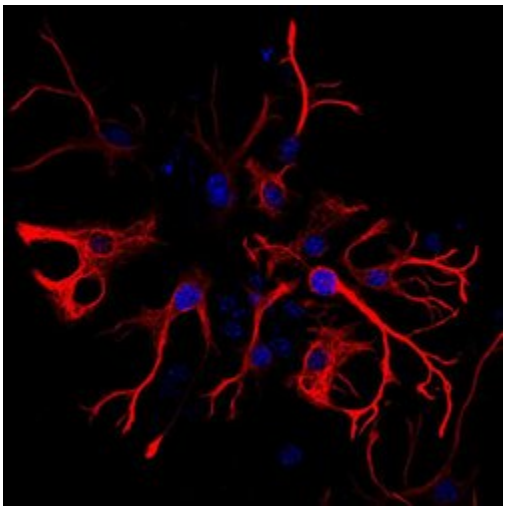
Product Specific Information

To minimize cross-reactivity, the goat anti-mouse IgG whole antibodies have been pre cross-adsorbed against bovine IgG, goat IgG, rabbit IgG, rat IgG, human IgG, and human serum. Cross-adsorption or pre-adsorption is a purification step to increase specificity of the antibody resulting in less background staining and cross-reactivity. The secondary antibody solution is passed through a column matrix containing immobilized serum proteins from potentially cross-reactive species. Only the nonspecific-binding secondary antibodies are captured in the column, and the highly specific secondaries flow through. Further passages through additional columns result in highly cross-adsorbed preparations of secondary antibody. The benefits of these extra steps are apparent in multiplexing/multicolor-staining experiments where there is potential cross-reactivity with other primary antibodies or in tissue/cell fluorescent staining experiments where there may be the presence of endogenous immunoglobulins.

Using conjugate solutions: Centrifuge the protein conjugate solution briefly in a microcentrifuge before use; add only the

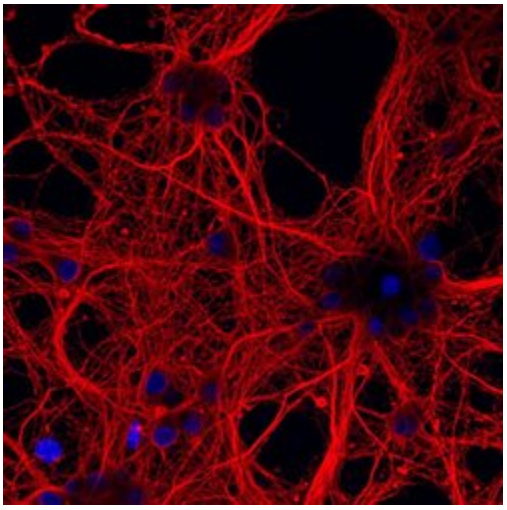
supernatant to the experiment. This step will help eliminate any protein aggregates that may have formed during storage, thereby reducing nonspecific background staining. Because staining protocols vary with application, the appropriate dilution of antibody should be determined empirically.

Product Images For Goat anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 555



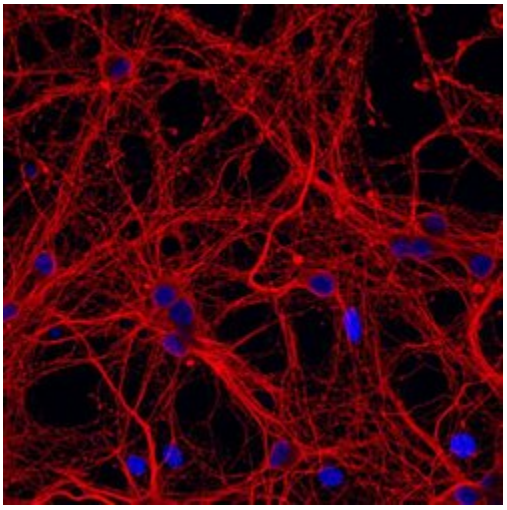
Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody (A32727) in ICC /IF

Immunofluorescent analysis of glial fibrillary acidic protein (GFAP) in E18 Sparague Dawley primary cortical neuronal cells containing astrocytes. The cells were fixed with 4% formaldehyde for 15 mins, permeabilized with 0.25% Triton X-100 in PBS for 10 mins, and blocked with 3% BSA in PBS for 30 mins at RT. Cells were stained with a GFAP mouse monoclonal antibody (Product # MA5-12023) at a dilution of 1:200 in 3% BSA in PBS for 1 hr at RT, and then incubated with Invitrogen Alexa Fluor Plus 555 goat anti-mouse IgG secondary antibody (Product # A32727) at a dilution of 1: 1000 for 1 hr at RT. Nuclei were stained with Hoechst 33342 (product # H3570). The image contains overlay of GFAP (orange) and nuclei (blue). Images were taken on a Zeiss LSM 710 confocal microscope at 40X magnification.



Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody (A32727) in ICC /IF

Immunofluorescent analysis of -III tubulin in E18 Sparague Dawley primary cortical neuronal cells. The cells were fixed with 4% formaldehyde for 15 mins, permeabilized with 0.25% Triton X-100 in PBS for 10 mins, and blocked with 3% BSA in PBS for 30 mins at RT. Cells were stained with a -III tubulin mouse monoclonal antibody (Product # MA1-118) at a dilution of 1:200 in 3% BSA in PBS for 1 hr at RT, and then incubated with Invitrogen AlexaFluor Plus 555 goat anti-mouse IgG secondary antibody (Product # A32727) at a dilution of 1:1000 for 1 hr at RT. Nuclei were stained with Hoechst 33342 (product # H3570). The image contains overlay of neuronal tubulin (orange) and nuclei (blue). Images were taken on a Zeiss LSM 710 confocal microscope at 40X magnification.



Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody (A32727) in ICC /IF

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38 References

Immunohistochemistry (2)

Protein & cell

Cocktail of chemical compounds robustly promoting cell reprogramming protects liver against acute injury.

Authors: Tang Y,Cheng L

Species
Not Applicable

Dilution
1:1000

Year
2017

Acta neuropathologica communications

Phosphorylated TDP-43 (pTDP-43) aggregates in the axial skeletal muscle of patients with sporadic and familial amyotrophic lateral sclerosis.

Authors: Cykowski MD,Powell SZ,Appel JW,Arumanayagam AS,Rivera AL,Appel SH

Species
Not Applicable

Dilution
1:200

Year
2018

Immunocytochemistry (6)

Nature communications

Internalization of a polysialic acid-binding Escherichia coli bacteriophage into eukaryotic neuroblastoma cells.

Authors: Lehti TA,Pajunen MI,Skog MS,Finne J

Species
Not Applicable

Dilution
1:500

Year
2017

Molecular medicine reports

WWC3 inhibits intimal proliferation following vascular injury via the Hippo signaling pathway.

Authors: Chen B,Liu G

Species
Not Applicable

Dilution
1:200

Year
2018

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IF (6) **Misc (24)**