Donkey anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488

Product Details	
Size	1 mg
Species Reactivity	Mouse
Host/Isotope	Donkey / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	Alexa Fluor® Plus 488
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_2762823

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC)	1-10 µg/mL	-
Immunofluorescence (IF)	1-10 µg/mL	-
Western Blot (WB)	0.1-0.4 µg/mL	-

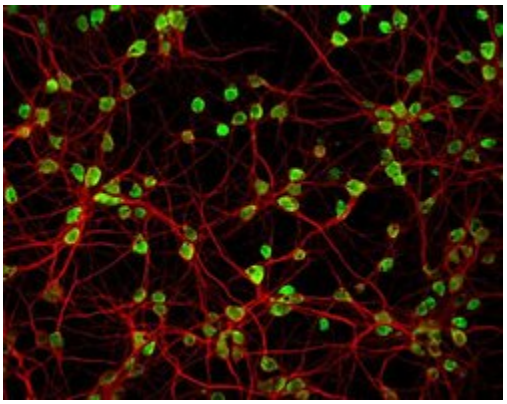
Product Specific Information

To minimize cross-reactivity, the donkey anti-mouse IgG whole antibodies have been cross-adsorbed against IgG from bovine, goat, chicken, guinea pig, hamster, horse, sheep, rabbit, rat, and human. 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.

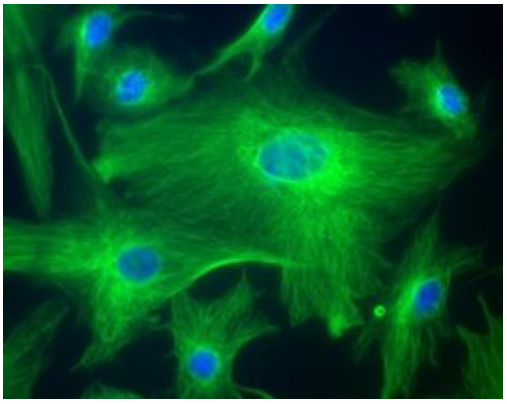
Using conjugate solutions: Centrifuge the protein conjugate solution briefly in a microcentrifuge before use; add only the supernatant to the experiment. This step will help eliminate any protein aggregates that may have formed during storage, thereby reducing nonspecific background staining. Because staining protocols vary with application, the appropriate dilution of antibody should be determined empirically

Specificity: This antibody binds to heavy chains on mouse IgG and light chains on all mouse immunoglobulins. This antibody does not bind non-immunoglobulin mouse serum proteins or IgG from bovine, chicken, goat, guinea pig, hamster, horse, human, rabbit, rat or sheep.

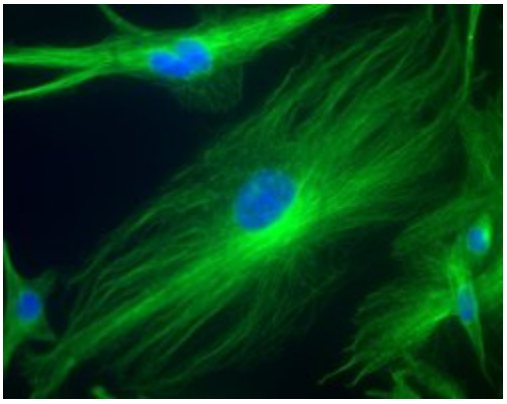
Product Images For Donkey anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488



Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody (A32766) in IF
Immunofluorescent analysis of HuC/D and MAP-2 in Rat cortical neurons. Gibco Rat Cortex Neurons (Product # A1084001) were thawed and grown according to protocol using B-27 Plus Neurobasal Culture System (Product # A3653401) and GlutaMAX (Product # 35050061) for two weeks before processing with the Image-IT Fixation /Permeablization kit (Product # R37602) according to protocol. Cells were blocked with 3% BSA in PBS for 30 mins at RT, incubated with a HuC/D mouse monoclonal antibody (Product # A21271) and a rabbit anti MAP-2 antibody (Product # PA517646) at a dilution of 1:500 in 3% BSA in PBS for 1 hr at RT, washed 3X in PBS and then incubated with Invitrogen Alexa Fluor Plus 488 donkey anti-mouse IgG secondary antibody (Product # A32766) and Invitrogen Alexa Fluor Plus 594 donkey anti-rabbit IgG secondary antibody (Product # A32754) prepared in 3% BSA in PBS at a dilution of 1:1000 for 1 hr at RT. The image contains overlay of HuC/D (green) and MAP-2 (red). Images were taken on an EVOS FL Auto 2 Imaging System (Product # AMAFD2000) with an Olympus 20X Super Apochromat objective (Product # AMEP4734) at 20X magnification.



Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody (A32766) in IF
Immunofluorescent analysis of tubulin in BPAE cells. The cells were fixed with 4% formaldehyde for 20 mins, permeabilized with 0.5% Triton X-100 in PBS for 20 mins, washed 3X in PBS and blocked with 3% BSA in PBS for 30 mins at RT. Cells were stained with a tubulin mouse monoclonal antibody at a dilution of 1:2000 in 3% BSA in PBS for 1 hr at RT, washed 3X in PBS and then incubated with Invitrogen Alexa Fluor Plus 488 donkey anti-mouse IgG secondary antibody (Product # A32766) prepared in 3% BSA in PBS at a dilution of 1:1000 for 1 hr at RT in the presence of NucBlue Live ReadyProbes Reagent (Product # R37605). The image contains overlay of tubulin (green) and nuclei (blue). Images were taken on an EVOS FL Auto 2 Imaging System (Product # AMAFD2000) with an Olympus 40X Super Apochromat objective (Product # AMEP4754) at 40X magnification.



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