Goat anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 680

Product Details	
Size	1 mg
Species Reactivity	Mouse
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	Alexa Fluor™ 680
Excitation/Emission Max	681/704 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_2535724

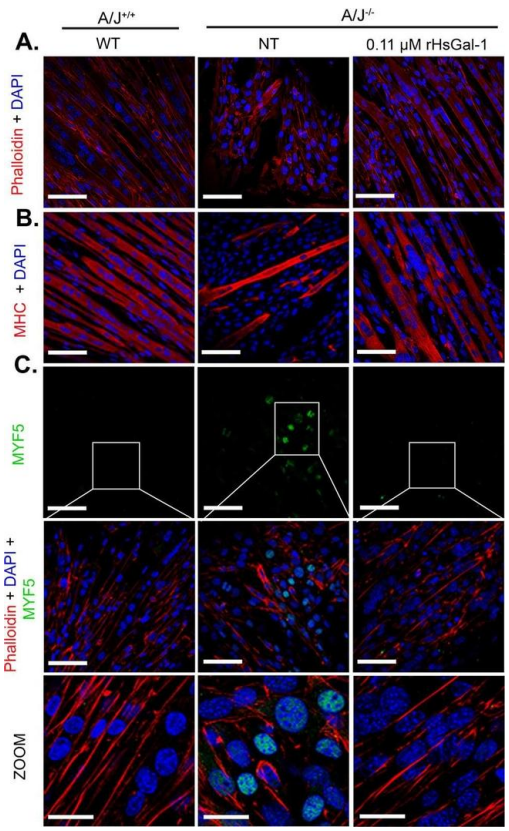
Applications	Tested Dilution	Publications
Western Blot (WB)	1:5,000-1:20,000	0 Publication
Immunocytochemistry (ICC/IF)	1:200-1:2,000	0 Publication
Miscellaneous PubMed (Misc)	-	0 Publication

Product Specific Information

This secondary antibody is designed for fluorescent Western blot detection on various near-infrared fluorescence instruments. This antibody can be used for multi-color and multiplexing detection when using other antibodies conjugated to compatible Alexa Fluor™ dyes and wavelengths. Other applications of this antibody include immunofluorescent and fluorescent imaging applications when using instrumentation with appropriate excitation and detection capabilities.

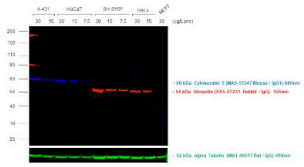
Product will be shipped at Room Temperature.

Product Images For Goat anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 680



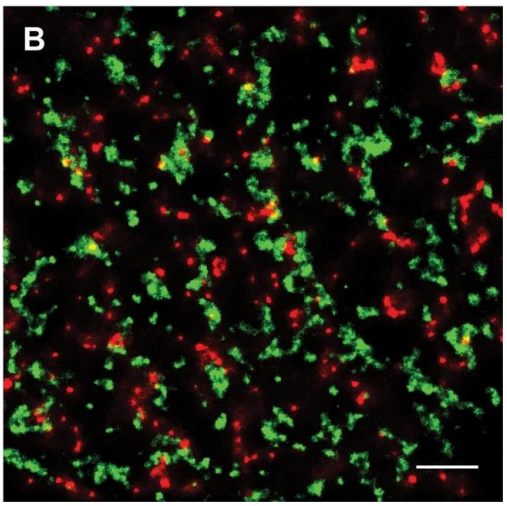
Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody (A-21058) in ICC/IF

rHsGal-1 treatment increases levels of fusion index and myotube maturity.A. Representative images of A/J cells cultured and immunostained with Phalloidin (red) and DAPI (blue). B. Representative images of A/J cells cultured and immunostained with MHC (red) and DAPI. C. Representative images of A/J cells cultured and immunostained with Myf5 (green), Phalloidin, and DAPI. D. Average number of nuclei per myotube compared between WT (n = 1608 nuclei, 187 myotubes, 10 fields), NT (n = 1587 nuclei, 215 myotubes, 9 fields), and 0.11 µM rHsGal-1 treated (n = 2476 nuclei, 166 myotubes, 13 fields) groups E. Fusion index between WT, NT, and 0.11µM rHsGal-1 treated myotube groups. F. Myotube alignment along the major axis compared between WT (n = 50 myotubes, 10 fields), NT (n = 49 myotubes, 9 fields) and 0.11 µM rHsGal-1 treated (n = 75 myotubes, 13 fields) myotubes. G. Minimum Feret's diameter measurements between WT (n = 30 myotubes, 10 fields), NT (n = 34 myotubes, 9 fields), and 0.11µM rHsGal-1 treated (n = 36 myotubes, 13 fields) myotubes. H. Rate of migration between WT, NT, and 0.11µM rHsGal-1 treated myoblast groups. p values are measured by Tukey's multiple comparison test and indicated by **p<0.01 and ****p< 0.0001. Error bars represent SEM. Scale bar = 100 µm. Image collected and cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/32881965), licensed under a CC BY license.



Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody (A-21058) in WB

Multiplexed fluorescent western blot was performed using Goat anti-Mouse IgG (Heavy Chain) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 680 (Product # A-21058). Whole cell extracts of A-431 (Lane 1, 2), HaCaT (Lane 3, 4, 5), SH-SY5Y (Lane 6, 7, 8), HeLa (Lane 9, 10) and MCF7 (Lane 11) were electrophoresed usingNuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP03222BOX). Resolved proteins were transferred onto anitrocellulose membrane (Product # IB23001) byiBlot® 2 Dry BlottingSystem (Product # IB21001). The blot was probed with Cytokeratin 5 Monoclonal Antibody (3E2F1) (Product # MA5-15347), Vimentin Rabbit IgG Polyclonal Antibody (Product # PA5-27231) and alpha Tubulin Monoclonal Antibody (YL1/2) (Product # MA1-80017). Secondary antibodies (Product # A-21058, 1:20,000), (Product # A27039, 1:5000) and (Product # A48269, 1:10,000) were used for detection of Cytokeratin 5, Vimentin and alpha Tubulin respectively. Fluorescent detection was performed usingiBright™FL1500 (Product # A44115). The anti-mouse secondary antibody (Product # A-21058) specifically detects the mouse primary antibody.



Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody (A-21058) in ICC/IF

Two-dimensional super-resolution imaging of the distribution of Ryanodine receptors (red) and Caveolin (green), using Alexa 680 and Alexa 750 secondaries, in the periphery of isolated rat cardiac myocytes and overview of dye properties.Panel A shows the sample at conventional resolution, panel B the super-resolved image. Comparison of enlarged detail (C & D) shows that apparent overlap in the diffraction-limited images is not seen in the corresponding super-resolution image. E. Histogram of mean photon number per event of a dataset of ~400 ratiometric super-resolution images. The mean photon numbers were calculated for each image in the dataset, the histogram of actual photon numbers per single molecule event are shown in panel F. Scale bars B: 1 µm, D: 200 nm. Image collected and cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/21655189), licensed under a CC BY license.

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249 References

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RBL2 represses the transcriptional activity of Multicilin to inhibit multiciliogenesis. Cell Death Dis (2024)

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