

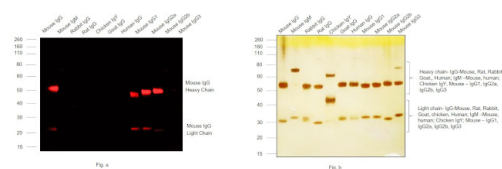
Goat anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 635

Product Details	
Size	1 mg
Species Reactivity	Mouse
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	Alexa Fluor™ 635
Excitation/Emission Max	633/648 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_2536185

Applications	Tested Dilution	Publications
Western Blot (WB)	1:10,000	-
Immunohistochemistry (Frozen) (IHC (F))	-	0 Publication
Immunohistochemistry - Free Floating (IHC (Free))	-	0 Publication
Immunocytochemistry (ICC/IF)	1-10 µg/mL	0 Publication
Flow Cytometry (Flow)	1-10 µg/mL	-

Product Specific Information

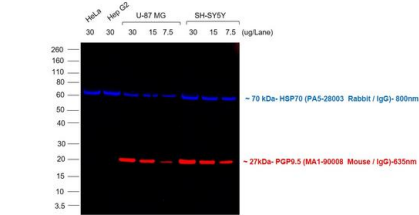
Product will be shipped at Room Temperature.



Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody (A-31575)
Specificity of secondary antibody was demonstrated by specific detection of the target immunoglobulin. Antibody specificity was demonstrated by specific detection of Mouse IgG. Bands at ~55 and 25 kDa corresponding to Mouse IgG Heavy and Light Chain was observed in Mouse IgG but not in other species using Goat anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor 635 (Product # A-31575) in Western Blot. {RE}

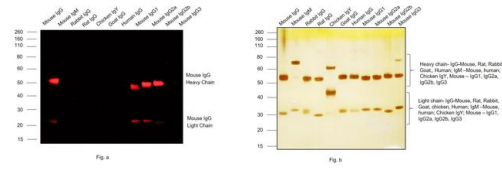
Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody (A-31575) in WB

Multiplexed fluorescent western blot was performed using Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor 635 (Product # A-31575). Whole cell extracts of HeLa (Lane 1), Hep G2 (Lane 2), U-87 MG (Lane 3, 4, 5), SH-SY5Y (Lane 6, 7, 8) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP03222BOX). Resolved proteins were transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with PGP9.5 Monoclonal Antibody (13C4) (Product # MA1-90008) and HSP70 Polyclonal Antibody (Product # PA5-28003). Secondary antibodies (Product # A-21037, 1:10000 dilution) and (Product # A32808, 1:20000 dilution) were used for detection of PGP9.5 and HSP70 respectively. Fluorescent detection was performed using iBright FL1500 (Product # A44115). Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor 635 (Product # A-31575) specifically detects the mouse primary antibody.



Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody (A-31575) in WB

Western blot was performed using Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor 635 (Product # A-31575) and ~55, 25 kDa bands corresponding to Mouse IgG Heavy and Light Chain were observed in Mouse IgG, Mouse IgG1, Mouse IgG2a, Mouse IgG2b but not in Mouse IgM, Rabbit IgG, Rat IgG, Chicken IgY, Goat IgG, Human IgG and Mouse IgG3. Purified protein (100 ng) of Mouse IgG (Lane 1), Mouse IgM (Lane 2), Rabbit IgG (Lane 3), Rat IgG (Lane 4), Chicken IgY (Lane 5), Goat IgG (Lane 6) Human IgG (Lane 7), Mouse IgG1 (Lane 8), Mouse IgG2a (Lane 9), Mouse IgG2b (Lane 10) and Mouse IgG3 (Lane 11) (Fig. a) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP03222BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor 635 (Product # A-31575, 1:2000 dilution) and detected using the iBright FL1500 (Product # A44115). Silver staining was performed to establish equivalent loading of purified proteins using the Pierce™ Silver Stain Kit (Product # 24612) (Fig. b).



40 References

Epigenetic modifications in the murine liver upon depletion of transcriptional coregulator host cell factor 1. BMC Genomics (2025)

Mdga2 deficiency leads to an aberrant activation of BDNF/TrkB signaling that underlies autism-relevant synaptic and behavioral changes in mice. PLoS Biol (2025)

RPS23RG1 inhibits SORT1-mediated lysosomal degradation of MDGA2 to protect against autism. Theranostics (2025)

From static to dynamic: The influence of mechanotransduction on skin equivalents analyzed by bioimaging and RNAseq. Mater Today Bio (2024)

Wnt5a/Ror2 promotes Nrf2-mediated tissue protective function of astrocytes after brain injury. Glia (2024)

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