

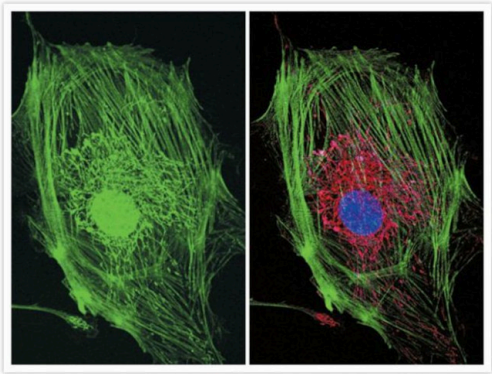
# Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 514

Product Details	
Size	1 mg
Species Reactivity	Mouse
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	Alexa Fluor™ 514
Excitation/Emission Max	518/543 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_2536171

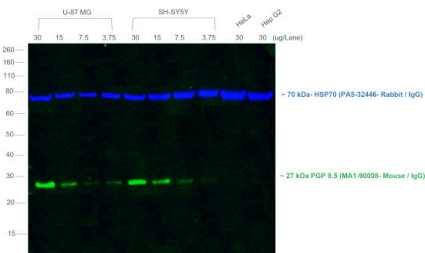
Applications	Tested Dilution	Publications
Western Blot (WB)	1:5,000-1:10,000	-
Immunohistochemistry (IHC)	1-10 µg/mL	-
Immunohistochemistry (Frozen) (IHC (F))	-	0 Publication
Immunocytochemistry (ICC/IF)	1-10 µg/mL	-
Flow Cytometry (Flow)	1-10 µg/mL	-

**Product Specific Information**  
 Product will be shipped at Room Temperature.

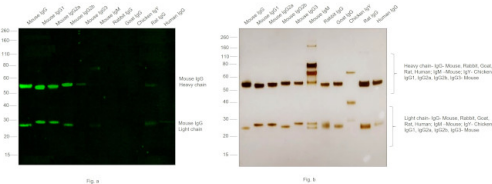
Product Images For Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 514



**Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody (A-31555) in ICC/IF**  
Muntjac fibroblast labeled with three green fluorophores, as seen through a standard microscope filter (left) and after processing with imaging software capable of spectrally unmixing the signals (right). The nucleus was labeled with SYTOX® Green nucleic acid stain (Product # S7020, pseudocolored blue); F-actin was labeled with BODIPY® FL phalloidin (Product # B607, green); mitochondria were labeled with a mouse anti-OxPhos Complex V inhibitor protein monoclonal IgG<sub>1</sub> antibody and visualized with Alexa Fluor® 514 goat anti-mouse IgG antibody (Product # A-31555, pseudocolored red).



**Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody (A-31555) in WB**  
Multiplexed fluorescent western blot was performed using Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 514 (Product # A-31555). Whole cell extracts of U-87 MG (Lane 1, 2, 3, 4), SH-SY5Y (Lane 5, 6, 7, 8), HeLa (Lane 9) and Hep G2 (Lane 10) 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 PGP9.5 Monoclonal Antibody (13C4) (Product # MA1-90008), and HSP70 Polyclonal Antibody (Product # PA5-32446). Secondary antibodies (Product # A-31555, 1:10,000), and (Product # SA5-35571B, 1:10,000) were used for detection of PGP 9.5, and HSP70 respectively. Fluorescent detection was performed usingiBright™FL1500 (Product # A44115). The anti-mouse secondary antibody (Product # A-31555) specifically detects the mouse primary antibody.



**Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody (A-31555) in WB**  
Western blot was performed using Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 514 (Product # A-31555) and ~55, 25 kDa bands<sub>corresponding to Mouse IgG Heavy Chain and Light chain respectively</sub> were observed in Mouse IgG, Mouse IgG1, Mouse IgG2a, Mouse IgG2b but not in Rabbit IgG, Goat IgG, Chicken IgY, and Human IgG. Purified protein (100 ng) of Mouse IgG (Lane 1), Mouse IgG1 (Lane 2), Mouse IgG2a (Lane 3), Mouse IgG2b (Lane 4), Mouse IgG3 (Lane 5), Mouse IgM (Lane 6), Rabbit IgG(Lane 7), Goat IgG (Lane 8), Chicken IgY (Lane 9), Rat IgG (Lane 10), Human IgG (Lane 11) wereelectrophoresed usingNuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP03222BOX). Resolved proteins were then transferred onto a nitrocellulose membrane(Product # IB23001) byiBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 514 (Product # A-31555, 1:5000) and detected using theiBright™FL1500 (Product # A44115). Silver staining was performed to establish equivalent loading of purified proteins using the Pierce™ Silver Stain Kit (Product # 24612) (Fig b). This antibody shows cross reactivity with Mouse IgG3, Mouse IgM and Rat IgG.

## 20 References

Glioma-neuronal circuit remodeling induces regional immunosuppression. Nat Commun (2025)

Protective Effects of Oleanolic Acid on Human Keratinocytes: A Defense Against Exogenous Damage. Pharmaceuticals (Basel) (2025)

Cellular prion protein and calcium ions trigger the neurotoxicity of -synuclein aggregates Research Square (2024)

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Enhanced Membrane Fluidization and Cholesterol Displacement by 1-Heptanol Inhibit Mast Cell Effector Functions. Cells (2023)

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