

Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, HRP

Product Details	
Size	1 mg
Species Reactivity	Mouse
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	HRP
Immunogen	Purified Mouse IgG, whole molecule
Form	Lyophilized
Concentration	2.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 1% BSA
Contains	0.1% ProClin 150
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2534745

Applications	Tested Dilution	Publications
Western Blot (WB)	1:5,000-1:20,000	0 Publication
Immunohistochemistry (IHC)	1:500-1:20,000	-
ELISA (ELISA)	1:500-1:20,000	0 Publication
Miscellaneous PubMed (Misc)	-	0 Publication

Product Specific Information

Rehydrate with 1.1 mL of deionized water and let stand 30 minutes at room temperature to dissolve. (Product has been overfilled to ensure complete recovery.) Centrifuge to remove any particulates. Prepare fresh working dilution daily. Store lyophilized material at 2-8 °C. For long term storage after reconstitution, dilute with 50% glycerol and store at -20 °C as a liquid.

^M

^M

Based on Immunoelectrophoresis, no reactivity is observed to: non-immunoglobulin mouse serum immunoglobulins, human IgG or serum proteins.^M

^M

Based on IEP, this antibody reacts with: heavy (gamma) chains on mouse IgG, light chains on all mouse immunoglobulins.^M

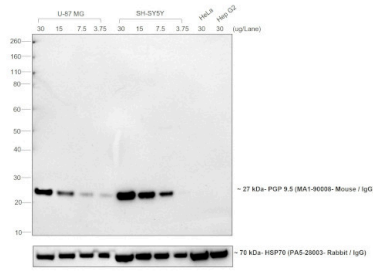
^M

Purity: > 95% based on SDS-PAGE.

Product Images For Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, HRP

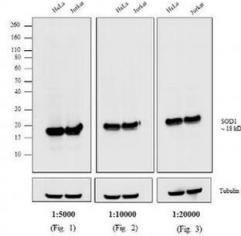
Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody (A16072) in WB

Chemiluminescent western blot was performed using Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, HRP (Product # A16072). Whole cell extracts of U-87 MG (Lane 1, 2, 3, 4), SH-SY5Y (Lane 5, 6, 7, 8), HeLa (Lane 9), Hep G2 (Lane 10) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). 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). Secondary antibody (Product # A16072, 1:20,000) was used for detection of PGP9.5 by chemiluminescence with SuperSignal™ West Pico PLUS Chemiluminescent Substrate (Product # 34580) using the iBright™ FL 1500 (Product # A44115). Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, HRP (Product # A16072) specifically detects the PGP9.5 mouse primary antibody.



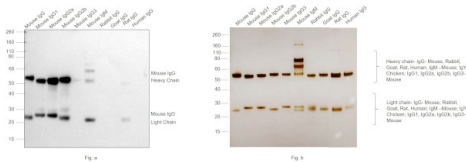
Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody (A16072) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of HeLa (Lane 1) and Jurkat (Lane 2). The blots were probed with Anti-SOD1 Mouse Monoclonal Antibody (Product # MA1-105, 0.5 µg/mL) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Secondary Antibody, HRP conjugate (Product # A16072) at dilutions 1:5,000 (Fig. 1), 1:10,000 (Fig. 2) and 1:20,000 (Fig. 3). A 18 kDa band corresponding to SOD1 was observed. Known quantity of protein samples were electrophoresed using Novex® NuPAGE®12 % Bis-Tris gel (Product # NP0342BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary antibody after blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody (A16072) in WB

Western blot was performed using Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, HRP (Product # A16072) and ~55 kDa, 25 kDa bands corresponding to Mouse IgG Heavy Chain and Light Chain was observed in Mouse IgG, Mouse IgG1, Mouse IgG2a, Mouse IgG2b, Mouse IgG3 but not in Rabbit IgG, Goat IgG 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), Rat IgG (Lane 9), Human IgG (Lane 10) (Fig. a) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). 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, HRP (Product # A16072, 1:10,000) 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). This antibody shows cross-reactivity with Mouse IgM and Rat IgG.



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Novel fetal phenotype of TAF8 deficiency. *Eur J Hum Genet* (2025)

Acidity suppresses CD8 + T-cell function by perturbing IL-2, mTORC1, and c-Myc signaling. *EMBO J* (2024)

Improved influenza vaccine responses after expression of multiple viral glycoproteins from a single mRNA. *Nat Commun* (2024)

Pandemic-associated pernio harbors footprints of an abortive SARS-CoV-2 infection. *iScience* (2024)

The Impact of SIV-Induced Immunodeficiency on SARS-CoV-2 Disease, Viral Dynamics, and Antiviral Immune Response in a Nonhuman Primate Model of Coinfection. *Viruses* (2024)

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