



## Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 700

1 mg
Mouse
Goat / IgG
Polyclonal
Secondary Antibody
Alexa Fluor™ 700
696/719 nm
Gamma Immunoglobins Heavy and Light chains
Liquid
2 mg/mL
purified
PBS, pH 7.5
5mM sodium azide
4° C, store in dark
AB_2535707

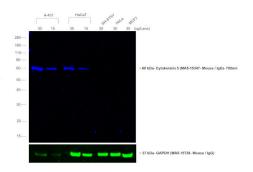
Applications	Tested Dilution	Publications
Western Blot (WB)	0.04-0.2 μg/mL	0 Publication
Immunocytochemistry (ICC/IF)	1-10 µg/mL	0 Publication
Flow Cytometry (Flow)	1-10 µg/mL	-
Miscellaneous PubMed (Misc)	-	0 Publication

## **Product Specific Information**

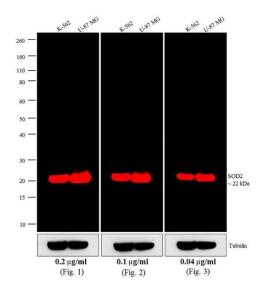
This secondary antibody is designed for fluorescent Western blot detection on various near-infrared fluorescence instruments. This antibody can be used for multi-color and multiplexing detection when using other antibodies conjugated to compatible Alexa Fluor™ dyes and wavelengths. Other applications 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.

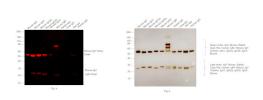
## Product Images For Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 700



Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody (A-21036) in WB Fluorescent western blot was performed using Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 700 (Product # A-21036). Whole cell extracts of A-431 (Lane 1, 2), HaCaT (Lane 3, 4), SH-SY5Y (Lane 5), HeLa (Lane 6) and MCF7 (Lane 7) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with Cytokeratin 5 Monoclonal Antibody (Product # MA5-15347), and GAPDH Monoclonal Antibody (Product # MA5-15738). Secondary antibodies (Product # A-21036, 0.05 μg/mL), and (Product # A32789, 1:5,000) were used for detection of Cytokeratin 5, and GAPDH respectively. Fluorescent detection was performed using iBright™ FL1500 (Product # A44115). The anti-mouse secondary antibody (Product # A-21036) specifically detects the mouse primary antibody.



Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody (A-21036) in WB Western blot analysis was performed on whole cell extracts (30 μg lysate) of K-562 (Lane 1) and U-87 MG (Lane 2). The blots were probed with Anti-SOD2 Mouse Monoclonal Antibody (Product # MA1-106, 2 μg/mL) and detected using Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor 700 (Product # A-21036) at dilutions 0.2 μg/mL (Fig. 1), 0.1 μg/mL (Fig. 2) and 0.04 μg/mL (Fig. 3). A 22 kDa band corresponding to SOD2 was observed. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 12 % Bis-Tris gel (Product # NP0342BOX), XCell SureLock™ Electrophoresis System (Product # El0002) 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. Fluorescent detection was performed using the Odyssey® Fc imaging system (Li-cor Biosciences).



Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody (A-21036) in WB Fluorescent western blot was performed using Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor 700 (Product # A-21036) and ~55 kDa, 25 kDa bands corresponding to Mouse IgG Heavy Chain and Light Chain were observed in Mouse IgG, Mouse IgG1, Mouse IgG2a, Mouse IgG2b, Mouse lgG3 but not in Rabbit lgG, Goat lgG and Human lgG. 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 # NP0322BOX). 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™ 700 (Product # A-21036, 0.1 µg/mL) 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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## **□ 46 References**

Deletion of miPEP in adipocytes protects against obesity and insulin resistance by boosting muscle metabolism. Mol Metab (2024)

The systemic cellular immune response against allogeneic mesenchymal stem cells is influenced by inflammation, differentiation and MHC compatibility: in vivo study in the horse. Front Vet Sci (2024)

Phenomics demonstrates cytokines additive induction of epithelial to mesenchymal transition bioRxiv (2024)

Identification and characterization of stromal-like cells with CD207+/low CD1a+/low phenotype derived from histiocytic lesions - a perspective in vitro model for drug testing. BMC Cancer (2024)

uAUG creating variants in the 5'UTR of ENG causing Hereditary Hemorrhagic Telangiectasia. NPJ Genom Med (2023)

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