

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

## Product Details

Size	2 mL
Species Reactivity	Mouse
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	HRP
Form	Lyophilized
Concentration	0.8 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.6, with 15mg/mL BSA, 50mM sucrose
Contains	no preservative
Storage conditions	4° C
RRID	AB_228307

## Applications

## Tested Dilution

## Publications

Western Blot (WB)	1:5,000-1:200,000	0 Publication
Immunohistochemistry (IHC)	-	0 Publication
Immunohistochemistry (Paraffin) (IHC (P))	Assay-dependent	0 Publication
Immunocytochemistry (ICC/IF)	-	0 Publication
ELISA (ELISA)	1:10,000-1:25,000	0 Publication
Immunoprecipitation (IP)	1:500-1:5,000	0 Publication
Miscellaneous PubMed (Misc)	-	0 Publication

## Product Specific Information

Product # 31430 has been successfully used in Western blot, IHC, ELISA and IP applications.

Product # 31430 reacts with the heavy chains of mouse IgG and with the light chains common to most mouse immunoglobulins, but does not react against non-immunoglobulin serum proteins. However, this antibody may cross-react with immunoglobulins from other species.

Store product at 4°C until opened. To extend the shelf-life of this product, add an equal volume of glycerol to make a final concentration of approximately 50% glycerol and store at -20°C.

Reconstitute with 2.0 mL of distilled water (0.8 mg/mL after restoration).

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

### Mouse IgG (H+L) Secondary Antibody (31430) in WB

Chemiluminescent western blot was performed using Goat anti-Mouse IgG (Heavy Chain) Secondary Antibody, HRP (Product # 31430). 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 using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP03221BOX). Resolved proteins were transferred onto 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 # 31430, 1:30,000), and (Product # A27036, 1:20,000) were used for detection of PGP9.5, and HSP70 respectively. Chemiluminescent detection was performed using iBright™ FL1500 (Product # A44115). The anti-mouse secondary antibody (Product # 31430) specifically detects the mouse primary antibody.

### Mouse IgG (H+L) Secondary Antibody (31430) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of K-562 (Lane 1) and U87-MG (Lane 2). The blots were probed with Anti-SOD2 Mouse Monoclonal Antibody (Product # MA1-106, 0.25 µg/mL) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Secondary Antibody, HRP conjugate (Product # 31430) at dilutions 1:5,000 (Fig. 1), 1:100,000 (Fig. 2) and 1:200,000 (Fig. 3). A 25 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 # 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) Secondary Antibody (31430) in WB

Western blot analysis of beta-3 Tubulin was performed by loading 25 µg of various brain, SHSY5Y, and HeLa cell lysates and 10 µL of PageRuler Prestained Protein Ladder (Product # 26616) onto a 4-20% Tris-HCl polyacrylamide gel. Proteins were transferred to a PVDF membrane and blocked with 5% BSA/TBST for at least 1 hour. The membrane was probed with a beta-3 Tubulin monoclonal antibody (Product # MA1-118) at a dilution of 1:2000 overnight at 4°C on a rocking platform, washed in TBS-0.1%Tween-20, and probed with a goat anti-mouse IgG-HRP secondary antibody (Product # 31430) at a dilution of 1:20,000 for 1 hour. Chemiluminescent detection was performed using SuperSignal West Pico (Product # 34080). Note: analysis indicates both reactive (neuronal) and non-reactive negative control (HeLa cell lysate) for beta-3 Tubulin using Product # MA1-118.

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Epigenetic downregulation of the proapoptotic gene HOXA5 in oral squamous cell carcinoma. *Mol Med Rep* (2025)

Therapeutic potential of a systemically applied humanized monoclonal antibody targeting Toll-like receptor 2 in atopic dermatitis-like skin lesions in a mouse model. *Biomed Rep* (2025)

TLR10 overexpression modulates immune response in A549 lung epithelial cells challenged with SARS-CoV-2 S and N proteins. *Front Immunol* (2025)

Oncogenic non-V600 mutations evade the regulatory machinery of RAF including the Cdc37/Hsp90 chaperone and the 14-3-3 scaffold. *Theranostics* (2025)

Inhibition of GSK3 is synthetic lethal with FHIT loss in lung cancer by blocking homologous recombination repair. *Exp Mol Med* (2025)

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