

Horse anti-Mouse IgG (H+L) Secondary Antibody, Biotin

Product Details	
Size	1.5 mg
Species Reactivity	Mouse
Host/Isotype	Horse / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	Biotin
Form	Liquid
Concentration	1.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.8, with 3mg/mL BSA
Contains	0.08% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles. Glycerol (1:1) may be added for added stability.
RRID	AB_228365

Applications	Tested Dilution	Publications
Western Blot (WB)	1:5,000-1:20,000	-
Immunohistochemistry (IHC)	1:500-1:5,000	-
Immunocytochemistry (ICC/IF)	1:500-1:5,000	-
In Situ Hybridization (ISH) (ISH)	Assay-dependent	-

Product Specific Information

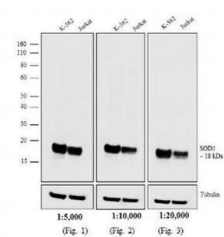
Product # 31806 has been successfully used in Western blot, IF, ICC, IHC and ISH applications.

Product # 31806 reacts with the heavy chains of mouse IgG and with the light chains common to most mouse immunoglobulins. This antibody cross-reacts with mouse IgM (50%) hamster IgG, rat IgG (12%) rat IgM (6%) dog IgG, guinea pig IgG, swine IgG (3%) Rhesus monkey IgG (1%). It has minimal cross-reactivity with immunoglobulins from other species.

Product Images For Horse anti-Mouse IgG (H+L) Secondary Antibody, Biotin

Mouse IgG (H+L) Secondary Antibody (31806) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of K-562 (Lane 1) and Jurkat (Lane 2). The blots were probed with Anti-SOD1 Mouse Monoclonal Antibody (Product # MA1-105, 2 µg/mL) and detected by chemiluminescence using Horse anti-Mouse IgG (H+L) Secondary Antibody, Biotin (Product # 31806) 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. This is followed by incubating the membrane with Poly-HRP Streptavidin (Product # N200, 1:10,000). Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



1 Reference

Plasma derived extracellular vesicle biomarkers of microglia activation in an experimental stroke model. J Neuroinflammation (2023)

Detection of neutralizing antibodies against multiple SARS-CoV-2 strains in dried blood spots using cell-free PCR. Nat Commun (2022)

Cellular abundance of sodium phosphate cotransporter SLC20A1/PiT1 and phosphate uptake are controlled post-transcriptionally by ESCRT. J Biol Chem (2022)

Tracking ebolavirus genomic drift with a resequencing microarray. PLoS One (2022)

Calcium-dependent ESCRT recruitment and lysosome exocytosis maintain epithelial integrity during Candida albicans invasion. Cell Rep (2022)

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