

SOD1 Monoclonal Antibody (6F5)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Host/Isotope	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	6F5
Conjugate	Unconjugated
Immunogen	Purified recombinant fragment of human SOD1 expressed in E. Coli.
Form	Liquid
Storage buffer	ascites
Contains	0.03% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_10979439

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	1/200 - 1/400	
Immunocytochemistry (ICC)	✓	1:200 - 1:1000	
Immunofluorescence (IF)	✓	1:200 - 1:1000	
Western Blot (WB)	✓	1/500 - 1/2000	

Product Specific Information

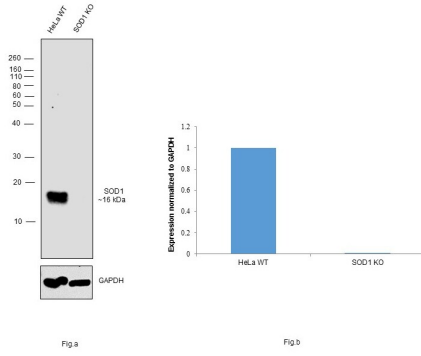
MA5-15520 targets SOD1 in FACS, ICC, IF and WB applications and shows reactivity with Human and mouse samples.

The MA5-15520 immunogen is purified recombinant fragment of human SOD1 expressed in E. Coli.

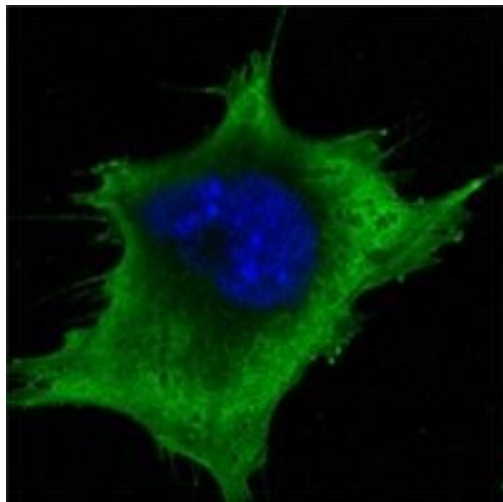
MA5-15520 detects SOD1 which has a predicted molecular weight of approximately 18kDa.

SOD1 Antibody (MA5-15520)

Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of SOD1. A loss of signal was observed for SOD1 in the KO cell line compared to control cell line using Anti- SOD1 Monoclonal Antibody (Product # MA5-15520).. KnockOut validation info.



Product Images For SOD1 Monoclonal Antibody (6F5)

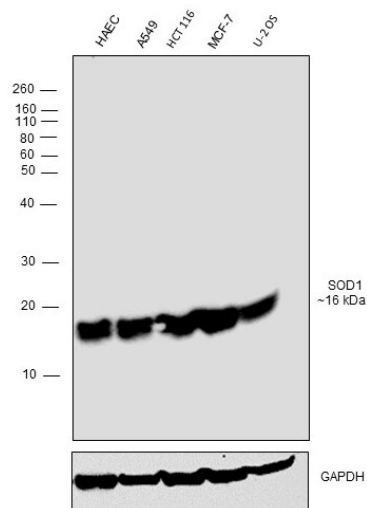


SOD1 Antibody (MA5-15520) in IF

Immunofluorescence analysis of 3T3-L1 cells using SOD1 monoclonal antibody (Product # MA5-15520) (Green). Blue: DRAQ5 fluorescent DNA dye.

SOD1 Antibody (MA5-15520) in WB

Western blot was performed using Anti-SOD1 Monoclonal Antibody, (Product # MA5-15520) and a ~16 kDa band corresponding to SOD1 was observed across the cell lines tested. Whole cell extracts (30 µg lysate) of HAEC (Lane 1), A549 (Lane 2), HCT 116 (Lane 3), MCF-7 (Lane 4) and U-2OS (Lane 5) were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris 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 the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005)..



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