

# SOD1 / Superoxide Dismutase Antibody, Mouse MAb



Sino Biological  
Biological Solution Specialist

Catalog Number: 11727-MM11

## GENERAL INFORMATION

<b>Immunogen:</b>	Recombinant Human SOD1 / Superoxide Dismutase protein (Catalog#11727-H07E)
<b>Preparation</b>	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human SOD1 / Superoxide Dismutase (rh SOD1 / Superoxide Dismutase; Catalog#11727-H07E; NP_000445.1; Ala 2-Gln 154).
<b>Ig Type:</b>	Mouse IgG2b
<b>Clone ID:</b>	11
<b>Specificity:</b>	Human SOD1 / Superoxide Dismutase
<b>Formulation:</b>	0.2 µm filtered solution in PBS
<b>Storage:</b>	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. Avoid repeated freeze-thaw cycles.

## APPLICATIONS

<b>Applications:</b>	WB,FCM,IP
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## RECOMMENDED CONCENTRATION

<b>Flow Cytometry</b>	FCM: 1:100-1:500
<b>Western Blot</b>	WB: 1:500-1:1000
<b>Immunoprecipitation</b>	IP: 0.2-1 µL/mg of lysate

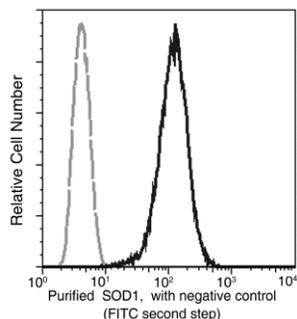
**Please Note: Optimal concentrations/dilutions should be determined by the end user.**

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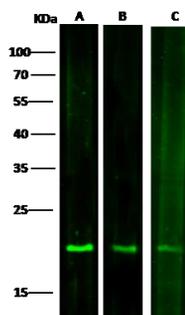
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Flow cytometric analysis of Human SOD1 expression in HeLa cells. The cells were treated according to manufacturer's manual (BD Pharmingen™ Cat. No. 554714), and stained with Purified Mouse anti-SOD1 (11727-MM11), then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.

Flow cytometry was performed on a BD FACSCalibur flow cytometry system. Please refer to [www.sinobiological.com/Flow-Cytometry-FACS-Protocols-a-750.html](http://www.sinobiological.com/Flow-Cytometry-FACS-Protocols-a-750.html) for technical protocols.

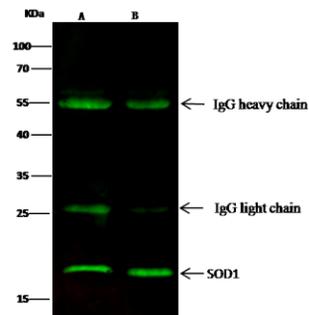


Anti-SOD1 mouse monoclonal antibody at 1:500 dilution  
Lane A: Jurkat Whole Cell Lysate  
Lane B: HeLa Whole Cell Lysate  
Lane C: HepG2 Whole Cell Lysate

Lysates/proteins at 30 µg per lane.  
Secondary  
Goat Anti-Mouse IgG H&L (Dylight800) at 1/15000 dilution.

Developed using the Odyssey technique.  
Performed under reducing conditions.

Predicted band size: 16 kDa  
Observed band size: 20 kDa



SOD1 was immunoprecipitated using:  
Lane A: 0.5 mg Jurkat Whole Cell Lysate  
Lane B: 0.5 mg HepG2 Whole Cell Lysate

0.5 µL anti-SOD1 mouse monoclonal antibody and 15 µl of 50 % Protein G agarose.

Primary antibody:  
Anti-SOD1 mouse monoclonal antibody, at 1:500 dilution

Secondary antibody:  
Dylight 800-labeled antibody to Mouse IgG (H+L), at 1:7500 dilution

Developed using the odssey technique.  
Performed under reducing conditions.

Predicted band size: 16 kDa  
Observed band size: 18 kDa