

Mouse anti-Human, Mouse SOD-1 Monoclonal Antibody | anti-SOD-1 antibody

SOD-1 Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320230	Mouse	Human, Mouse	ELISA, Flow Cytometry, Functional Assay, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

SOD-1; Monoclonal Antibody; SOD-1 Monoclonal Antibody; Superoxide dismutase [Cu-Zn]; SOD1; Superoxide dismutase 1; hSod1; anti-SOD-1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Specificity	SOD-1 Monoclonal Antibody detects endogenous levels of SOD-1 protein.
Purity/Purification	Affinity purification
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Applicable Applications for anti-SOD-1 antibody	ELISA, FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	Purified recombinant fragment of human SOD-1 expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



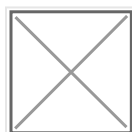
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of A431 cells using SOD-1 Monoclonal Antibody (green) and negative control (purple).



IF (Immunofluorescence)

Confocal immunofluorescence analysis of PANC-1 (left) and SKBR-3 (right) cells using SOD-1 Monoclonal Antibody (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.



WB (Western Blot)

Western Blot analysis using SOD-1 Monoclonal Antibody against HeLa (1), NIH/3T3 (2), A549 (3) and A431 (4) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-SOD-1 antibody	The protein encoded by this gene binds copper and zinc ions and is one of two isozymes responsible for destroying free superoxide radicals in the body. The encoded isozyme is a soluble cytoplasmic protein, acting as a homodimer to convert naturally-occurring but harmful superoxide radicals to molecular oxygen and hydrogen peroxide. The other isozyme is a mitochondrial protein. Mutations in this gene have been implicated as causes of familial amyotrophic lateral sclerosis. Rare transcript variants have been reported for this gene. [provided by RefSeq, Jul 2008]
Product Categories/Family for anti-SOD-1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	134611
NCBI GeneID	6647
UniProt Accession #	P00441; Q16669; Q16711; Q16838; Q16839; Q16840; Q6NR85; A6NHJ0; D3DSE4
Molecular Weight	154
NCBI Official Full Name	Superoxide dismutase
NCBI Official Synonym Full Names	superoxide dismutase 1, soluble
NCBI Official Symbol	SOD1
NCBI Official Synonym Symbols	ALS; SOD; ALS1; IPOA; hSod1; HEL-S-44; homodimer
NCBI Protein Information	superoxide dismutase [Cu-Zn]; superoxide dismutase [Cu-Zn]; SOD, soluble; indophenoloxidase A; Cu/Zn superoxide dismutase; superoxide dismutase, cystolic; epididymis secretory protein Li 44
UniProt Protein Name	Superoxide dismutase [Cu-Zn]
UniProt Gene Name	SOD1
UniProt Synonym Gene Names	hSod1
UniProt Entry Name	SODC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.