

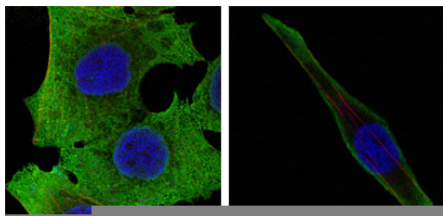


Product name:	SOD1 Mouse Monoclonal Antibody
Cat number:	MABN80742
Conjugate:	Unconjugated
Size:	100 ug
Concentration:	1mg/ml
Host:	Mouse
Isotype:	Mouse IgG1
Immunogen:	Purified recombinant fragment of human SOD1 expressed in E. Coli.
Reactivity:	Human, Mouse
Applications:	WB 1:500-1:2000, ICC 1:200-1:1000, ELISA 1:5000-1:20000, FC 1:200-1:400
Molecular Weight:	18kDa
Purification:	Affinity Purification
Form:	Liquid
Buffer:	Purified antibody in PBS with 0.05% sodium azide.
Storage:	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Synonyms:	ALS; SOD; ALS1; IPOA; homodimer
Source:	Mouse
Background:	SOD1 (superoxide dismutase 1, soluble), also known as ALS. The protein 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 (ALS), a progressive degenerative disease of motor neurons. Rare transcript variants have been reported for this gene.

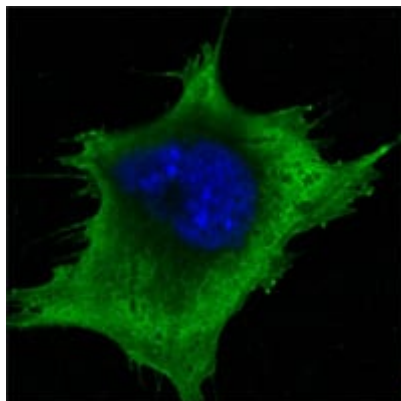
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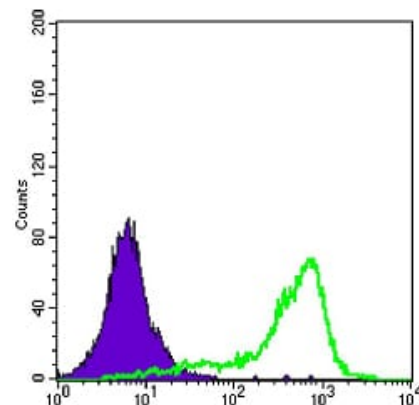
Web-site: <https://immunologicalsciences.com> - E-mail: info@immunologicalsciences.com



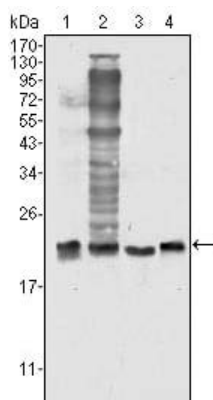
Western blot analysis using SOD1 mouse mAb against Hela (1), NIH/3T3 (2), A549 (3) and A431 (4) cell lysate.



Confocal Immunofluorescence analysis of PANC-1 (left) and SKBR-3 (right) cells using SOD1 mouse mAb (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.



Confocal Immunofluorescence analysis of 3T3-L1 cells using SOD1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



Western blot analysis using SOD1 mouse mAb against Hela (1), NIH/3T3 (2), A549 (3) and A431 (4) cell lysate.

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