Product Data Sheet: SOD1

Cat. No:	MAB-94600
Size:	100 ug
Clone:	SO-F
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	A synthesized peptide derived from human SOD1
Reactivity:	Hu, Rt, Ms
Applications:	Western Blot: 1:500 - 1:2000
Molecular Weight:	16kDa
Purification:	Aff. Pur.
Synonyms:	ALS; ALS1; HEL-S-44; IPOA; SOD; hSod1; homodimer
Background:	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-occuring 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.
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.
Storage:	Store at -20℃. Avoid freeze / thaw cycles.

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