

Cat. No:	MAB-94790
Conjugate:	Unconjugated
Size:	100 ug
Clone:	1H8
Concentration:	1mg/ml
Host:	Mouse
Isotype:	IgG2a
Immunogen:	superoxide dismutase 1, soluble
Reactivity:	Human, Mouse, Rat
Molecular Weight:	16-20 kDa
Purification:	Protein A+G purification
Synonyms:	Superoxide dismutase [Cu-Zn], Superoxide dismutase 1, hSod1
Background:	Superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult)) (SOD1, synonyms: ALS, SOD, ALS1, IPOA) binds copper and zinc ions and is one of two isozymes responsible for destroying free superoxide radicals in the body. This 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.
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Storage:	Store at -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

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