

Mouse Monoclonal Antibody to SOD1

Catalogue Number	sAP-0289
Target Molecule	Name: SOD1 Aliases: ALS; SOD; ALS1; IPOA; homodimer MW: 18kDa
Description	Entrez Gene ID: 6647 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.
Immunogen	Purified recombinant fragment of human SOD1 expressed in E. Coli.
Reactive Species	Human; Mouse
Clone	MM6F5;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Apoptosis. 2005 May;10(3):499-502. ; 2. Hum Mol Genet. 2008 Nov 1;17(21):3303-17.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**