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Product Information

Recombinant Anti-Human sod1 Antibody

Cat. No.: **MOM-18492**
This product is for research use only and is not intended for diagnostic use.

Product Overview
Recombinant Mouse Antibody binds selectively to Human SOD1, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description
Recombinant Cu/Zn Superoxide Dismutase.

Specific Activity
Tested positive against native antigen.

Target
SOD1

Immunogen
Destroys radicals which are normally produced within the cells and which are toxic to biological systems.

Source
Mouse

Species Reactivity
Human

Type
IgG

Expression Host
CHO

Purity
>95.0%, determined by analysis by RP-HPLC & analysis by SDS-PAGE.

Applications
Suitable for use in Neut, ELISA, IF, IP, FuncS, FC, ICC and most other immunological methods.

Storage
Store at 4°C for up to 3 months. For longer term storage aliquot into small volumes and store at -20°C.

ANTIGEN GENE INFOMATION

Gene Name
SOD1 superoxide dismutase 1, soluble [Homo sapiens]

Official Symbol

SOD1

Synonyms

SOD1; superoxide dismutase 1, soluble; ALS, ALS1, amyotrophic lateral sclerosis 1 (adult); superoxide dismutase [Cu-Zn]; IPOA; SOD, soluble; indophenoloxidase A; Cu/Zn superoxide dismutase; superoxide dismutase, cystolic; ALS; SOD; ALS1; hSod1; homodimer

Gene ID

6647

mRNA Refseq

NM_000454

Protein Refseq

NP_000445

MIM

147450

UniProt ID

P00441

Chromosome Location

21q22.11

Pathway

Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem; FOXA1 transcription factor network, organism-specific biosystem; Folate Metabolism, organism-specific biosystem; Hemostasis, organism-specific biosystem; Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem;

Function

chaperone binding; copper ion binding; metal ion binding; oxidoreductase activity; protein binding; protein homodimerization activity; protein phosphatase 2B binding; superoxide dismutase activity; zinc ion binding;

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