

Mouse superoxide dismutase 1, soluble ELISA Kit | SOD1 elisa kit

Mouse Super Oxidase Dimutase, SOD ELISA Kit

CATALOG #
AAA80723

REACTIVITY
Mouse

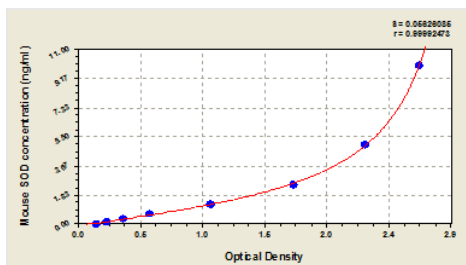
PRODUCT SYNONYMS

superoxide dismutase 1; soluble; Mouse Super Oxidase Dimutase; SOD ELISA Kit; ALS; ALS1; IPOA; SOD; homodimer; Cu/Zn superoxide dismutase; indophenoloxidase A; superoxide dismutase; cystolic; SOD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse SOD. No significant cross-reactivity or interference between mouse SOD and analogues was observed.
Sequence Length	154
Samples	Serum, plasma, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	5.4 pg/ml-4000 pg/ml
Sensitivity	<5.4 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SOD1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for SOD has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SOD present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SOD is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SOD bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	45597447
NCBI GeneID	20655
NCBI Accession #	NP_035564.1
NCBI GenBank Nucleotide #	NM_011434.1
UniProt Accession #	P08228
Molecular Weight	15,943 Da
NCBI Official Full Name	superoxide dismutase
NCBI Official Synonym Full Names	superoxide dismutase 1, soluble
NCBI Official Symbol	Sod1
NCBI Official Synonym Symbols	Ipo1; SODC; Ipo-1; Sod-1; CuZnSOD; Cu/Zn-SOD; B430204E11Rik
NCBI Protein Information	superoxide dismutase [Cu-Zn]; superoxide dismutase [Cu-Zn]; Cu(2+)-Zn2+ superoxide dismutase
UniProt Protein Name	Superoxide dismutase [Cu-Zn]
UniProt Gene Name	Sod1
UniProt Entry Name	SODC_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/sod1-mouse-elisa-kits/superoxide-dismutase-1-soluble/80723>