

Mouse Superoxide Dismutase 1, Soluble (SOD1) RTU ELISA Kit | SOD1 rtu elisa kit

Mouse Superoxide Dismutase 1, Soluble (SOD1) ELISA Kit

CATALOG #
AAA218506

REACTIVITY
Mouse

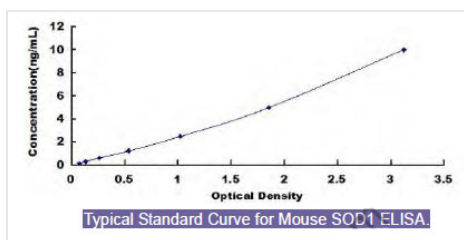
PRODUCT SYNONYMS

Superoxide Dismutase 1; Soluble (SOD1); Mouse Superoxide Dismutase 1; Soluble (SOD1) ELISA Kit; ALS; ALS1; IPOA; Amyotrophic Lateral Sclerosis 1; Adult; Superoxide dismutase [Cu-Zn]; SOD1 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of SNCA. No significant cross-reactivity or interference between SNCA and analogues was observed.
Sequence Length	154
Samples	Human Serum, Plasma Or Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	15.6-1000pg/mL
Sensitivity	5.9pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SNCA were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level SNCA were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SOD1 rtu elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of SNCa in human serum, plasma or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SNCa. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SNCa. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain SNCa, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of SNCa in the samples is then determined by comparing the O.D. of the samples to the standard curve.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	45597447
NCBI GeneID	20655
NCBI Accession #	NP_035564.1
NCBI GenBank Nucleotide #	NM_011434.2
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]
UniProt Protein Name	Superoxide dismutase [Cu-Zn]
UniProt Gene Name	Sod1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-rtu-elisa-kits/superoxide-dismutase-1-soluble-sod1/218506>