

Pig Superoxide Dismutase 1, Soluble (SOD1) ELISA Kit | SOD1 elisa kit

Pig Superoxide Dismutase 1, Soluble (SOD1) Mini Samples ELISA Kit

CATALOG #
AAA147401

REACTIVITY
Pig

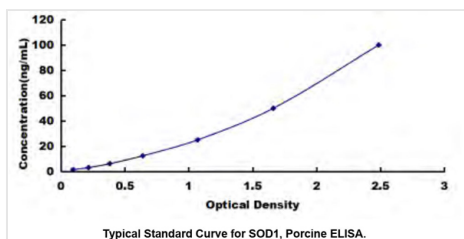
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Pig
Specificity	This assay has high sensitivity and excellent specificity for detection of SOD1. No significant cross-reactivity or interference between SOD1 and analogues was observed.
Sequence Length	153
Assay Type	Quantitative Sandwich
Samples	Porcine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.57ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SOD1 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 SOD1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SOD1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to SOD1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to SOD1. 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 SOD1, 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 SOD1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of SOD1 in porcine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for SOD1 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	298677090
NCBI GeneID	397036
NCBI Accession #	NP_001177351.1
NCBI GenBank Nucleotide #	NM_001190422.1
UniProt Accession #	P04178
Molecular Weight	15,892 Da
NCBI Official Full Name	superoxide dismutase
NCBI Official Symbol	SOD1
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.

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Online datasheet: <https://stage.aaabiotech.com/pig-elisa-kits/superoxide-dismutase-1-soluble-sod1/147401>