

Pig Superoxide dismutase [Cu-Zn] ELISA Kit | SOD1 elisa kit

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CATALOG #
AAA191190

REACTIVITY
Pig

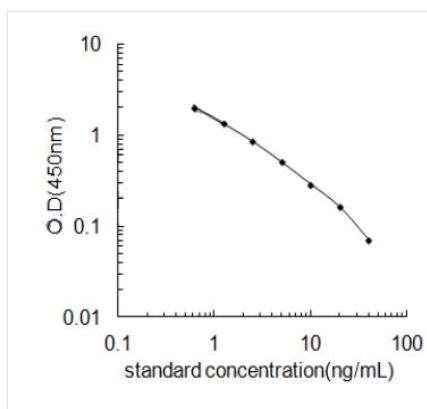
PRODUCT SYNONYMS

Superoxide dismutase [Cu-Zn]; Pig Superoxide dismutase [Cu-Zn] ELISA Kit; SOD1; 1.15.1.1; SOD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Pig
Specificity	Recombinant and natural Pig Superoxide dismutase [Cu-Zn]
Sequence Length	153
Samples	Serum, plasma, tissue homogenates, cell culture supernates or other biological fluids
Assay Type	Quantitative Competitive
Detection Range	0.625-40 ng/mL
Sensitivity	< 0.258 ng/mL
Intra-assay Precision	<=6.3%
Inter-assay Precision	<=9.1%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SOD1 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids. Principle of the Assay: The ELISA is based on the competitive binding enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen, During the reaction, target antigen in the sample or standard competes with a fixed amount of biotin-labeled target antigen for sites on a pre-coated antibody specific to target antigen. Excess conjugate and unbound sample or standard are washed from the plate. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of target antigen in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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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
UniProt Entry Name	SODC_PIG

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-pig-elisa-kits/superoxide-dismutase-cu-zn/191190>