

Human Superoxide Dismutase, Copper Chaperone (SOD4) ELISA Kit | SOD4 elisa kit

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CATALOG #
AAA122502

REACTIVITY
Human

PRODUCT SYNONYMS

Superoxide Dismutase; Copper Chaperone (SOD4); Human Superoxide Dismutase; Copper Chaperone (SOD4) ELISA Kit; SOD4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	152
Samples	Serum, plasma, cell culture supernates, cell lysates, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.2ng/ml - 70ng/ml
Sensitivity	0.094ng/ml
Intra-Assay	CV<8%
Inter-Assay	CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SOD4 elisa kit

Intended Uses: This sandwich kit is for the accurate quantitative detection of human Superoxide Dismutase, Copper Chaperone (also known as SOD4) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates.

Principles of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with human SOD4 antibody. SOD4 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated human SOD4 Antibody is added and binds to SOD4 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated SOD4 antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of human SOD4. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	162463249
NCBI GeneID	542722
NCBI Accession #	NP_001105704.1
NCBI GenBank Nucleotide #	NM_001112234.1
Molecular Weight	15,071 Da
NCBI Official Full Name	superoxide dismutase
NCBI Official Symbol	sod4
NCBI Official Synonym Symbols	sod4ap; SODCC.2; GRMZM2G169890
NCBI Protein Information	superoxide dismutase [Cu-Zn] 4AP
UniProt Protein Name	Superoxide dismutase [Cu-Zn] 4AP
UniProt Gene Name	SODCC.2
UniProt Synonym Gene Names	SOD4AP

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/human-elisa-kits/superoxide-dismutase-copper-chaperone-sod4/122502>