

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

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CATALOG #
AAA64443

REACTIVITY
Human

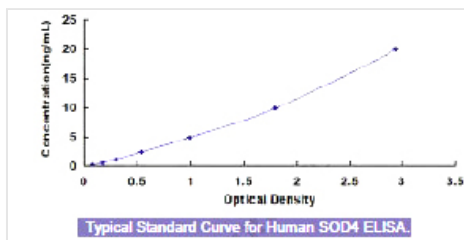
PRODUCT SYNONYMS

Superoxide Dismutase; Copper Chaperone (SOD4); Human Superoxide Dismutase; Copper Chaperone (SOD4) ELISA Kit; MYH2A; MYHSA2; MYHas8; MyHC-2A; MyHC-IIa; SOD4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SOD4. No significant cross-reactivity or interference between SOD4 and analogues was observed.
Sequence Length	274
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.117ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SOD4 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 SOD4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SOD4 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of SOD4 in human tissue homogenates, cell lysates and other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SOD4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SOD4. Next, Avidin con

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826665
NCBI GeneID	9973
NCBI Accession #	NP_005116.1
NCBI GenBank Nucleotide #	NM_005125.1
UniProt Accession #	O14618; Q2M366; Q8NEV0
Molecular Weight	29,041 Da
NCBI Official Full Name	copper chaperone for superoxide dismutase
NCBI Official Synonym Full Names	copper chaperone for superoxide dismutase
NCBI Official Symbol	CCS
NCBI Protein Information	copper chaperone for superoxide dismutase
UniProt Protein Name	Copper chaperone for superoxide dismutase
UniProt Gene Name	CCS

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-sod4/64443>