

Human Superoxide Dismutase 2, Mitochondrial (SOD2) ELISA Kit | SOD2 elisa kit

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CATALOG #
AAA43818

REACTIVITY
Human

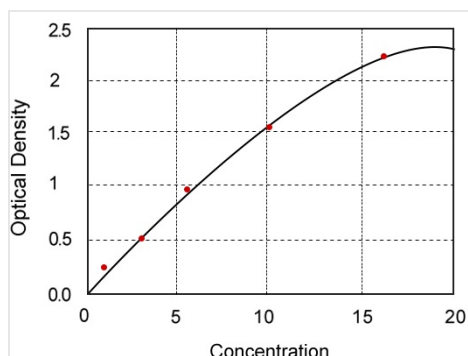
PRODUCT SYNONYMS

Superoxide Dismutase 2; Mitochondrial (SOD2); Human Superoxide Dismutase 2; Mitochondrial (SOD2) ELISA Kit; SOD2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	217
Samples	Serum, plasma, cell culture supernates, cell lysates, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.3ng/ml - 90ng/ml
Sensitivity	0.15ng/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 SOD2 elisa kit

Intended Uses: This sandwich kit is for the accurate quantitative detection of human Superoxide Dismutase 2, Mitochondrial (also known as SOD2) 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 SOD2 antibody. SOD2 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated human SOD2 Antibody is added and binds to SOD2 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated SOD2 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 SOD2. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	665401445
NCBI GeneID	36878
NCBI Accession #	NP_001286503.1
NCBI GenBank Nucleotide #	NM_001299574.1
UniProt Accession #	Q00637; Q9V7T8
Molecular Weight	24,684 Da
NCBI Official Full Name	superoxide dismutase 2 (Mn), isoform B
NCBI Official Synonym Full Names	Superoxide dismutase 2 (Mn)
NCBI Official Symbol	Sod2
NCBI Official Synonym Symbols	CG8905; DmelCG8905; dSod2; dSOD2; Mito SOD; mitSOD2; Mn SOD; Mn-SOD; Mn-SOD2; mnSOD; MnSOD; MnSODII; Mn[2+]SOD; SOD; Sod-2; SOD-2; sod2; SOD2
NCBI Protein Information	superoxide dismutase 2 (Mn)
UniProt Protein Name	Superoxide dismutase [Mn], mitochondrial
UniProt Gene Name	Sod2

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-2-mitochondrial-sod2/43818>