

Human superoxide dismutase 3, extracellular ELISA Kit | SOD3 elisa kit

Human Extracellular superoxide dismutase [Cu-Zn], SOD3 ELISA Kit

CATALOG #
AAA112899

REACTIVITY
Human

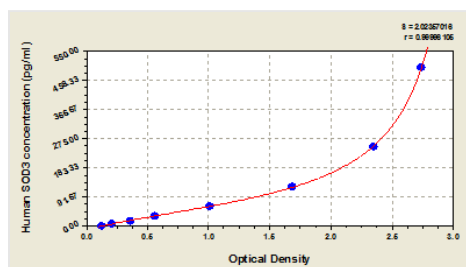
PRODUCT SYNONYMS

superoxide dismutase 3; extracellular; Human Extracellular superoxide dismutase [Cu-Zn]; SOD3 ELISA Kit; Human Extracellular superoxide dismutase [Cu-Zn] (SOD3) ELISA kit; EC-SOD; MGC20077; ; SOD3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human SOD3. No significant cross-reactivity or interference between human SOD3 and analogues was observed.
Sequence Length	240
Samples	Serum, plasma, cell culture supernates, saliva, urine, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	7.8 pg/ml-500 pg/ml
Sensitivity	< 1.95 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SOD3 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for SOD3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SOD3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SOD3 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SOD3 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	118582275
NCBI GeneID	6649
NCBI Accession #	NP_003093.2
NCBI GenBank Nucleotide #	NM_003102.2
UniProt Accession #	P08294; Q5U781; Q6FHA2
Molecular Weight	25,851 Da
NCBI Official Full Name	extracellular superoxide dismutase
NCBI Official Synonym Full Names	superoxide dismutase 3, extracellular
NCBI Official Symbol	SOD3
NCBI Official Synonym Symbols	EC-SOD
NCBI Protein Information	extracellular superoxide dismutase [Cu-Zn]; extracellular superoxide dismutase [Cu-Zn]
UniProt Protein Name	Extracellular superoxide dismutase [Cu-Zn]
UniProt Gene Name	SOD3
UniProt Synonym Gene Names	EC-SOD
UniProt Entry Name	SODE_HUMAN

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/sod3-human-elisa-kits/superoxide-dismutase-3-extracellular/112899>