Human Manganese-Dependent Superoxide Dismutase (MnSOD) ELISA Kit | MnSOD elisa kit

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CATALOG #	REACTIVITY
AAA332013	**Human**

PRODUCT SYNONYMS

Manganese-Dependent Superoxide Dismutase (MnSOD); Human Manganese-Dependent Superoxide Dismutase (MnSOD) ELISA Kit; MnSOD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	145
Assay Type	Sandwich
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	5 ng/L - 80 ng/L
Sensitivity	< 0.5 ng/L
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MnSOD elisa kit	Background: MnSOD is considered to be one of the most important antioxidant components of a cell. It is a homotetrameric enzyme (mol. wt 88 kDa) and requires manganese at its active center. MnSOD constitutes about 10-15% of the total SODs and is localized in the mitochondria of type II pneumocytes, alveolar macrophages, and bronchial epithelium in rats and at least in the bronchial epithelial cells of human lungs. Principle of the Assay: Human Manganese-dependent superoxide dismutase (MnSOD) ELISA Kit employs a two-site sandwich ELISA to quantitate MnSOD in samples. An antibody specific for MnSOD has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MnSOD present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human MnSOD detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of MnSOD bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	2293054
NCBI Official Full Name	manganese-dependent superoxide dismutase, partial

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/manganese-dependent-superoxide-dismutase-mnsod/332013