

Rat superoxide dismutase 2, mitochondrial ELISA Kit | SOD2 elisa kit

Rat Superoxide dismutase [Mn], mitochondrial, SOD2 ELISA Kit

CATALOG #
AAA112488

REACTIVITY
Rat

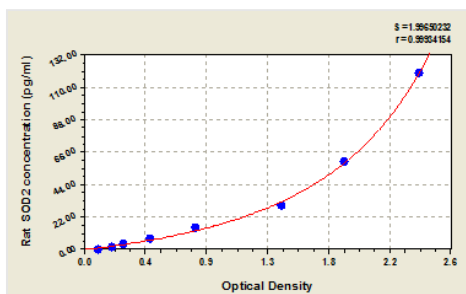
PRODUCT SYNONYMS

superoxide dismutase 2; mitochondrial; Rat Superoxide dismutase [Mn]; SOD2 ELISA Kit; mitochondrial (SOD2) ELISA kit; IPO-B; MNSOD; MVCD6; Mn-SOD; Mn superoxide dismutase; indophenoloxidase B; manganese-containing superoxide dismutase; mangano-superoxide dismutase; SOD2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat SOD2. No significant cross-reactivity or interference between Rat SOD2 and analogues was observed.
Sequence Length	202
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	1.87 pg/ml-120 pg/ml
Sensitivity	0.47 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
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 SOD2 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for SOD2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SOD2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SOD2 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 SOD2 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 #	1174386
UniProt Accession #	P41982
Molecular Weight	22,656 Da
NCBI Official Full Name	Superoxide dismutase
UniProt Protein Name	Superoxide dismutase [Mn], mitochondrial
UniProt Gene Name	SOD2
UniProt Entry Name	SODM_RABIT

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/sod2-rat-elisa-kits/superoxide-dismutase-2-mitochondrial/112488>