

Rat superoxide dismutase 1, soluble, SOD1 ELISA Kit | SOD1 elisa kit

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CATALOG #
AAA123398

REACTIVITY
Rat

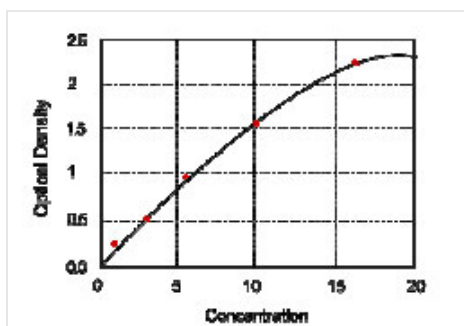
PRODUCT SYNONYMS

superoxide dismutase 1; soluble; SOD1; Rat superoxide dismutase 1; SOD1 ELISA Kit; SOD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	261
Samples	Serum, plasma, cell culture supernates, cell lysates, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	5ng/L - 2000ng/L
Sensitivity	3.04ng/L
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. 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 SOD1 elisa kit

Intended Uses: This sandwich kit is for the accurate quantitative detection of Rat Superoxide Dismutase 1, Soluble (also known as SOD1) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates.

Principle of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Rat SOD1 antibody. SOD1 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Rat SOD1 Antibody is added and binds to SOD1 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated SOD1 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 Rat SOD1. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	558515924
NCBI GenBank Nucleotide #	NP_001273808.1
NCBI Official Full Name	superoxide dismutase 1, soluble

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/rat-elisa-kits/superoxide-dismutase-1-soluble-sod1/123398>