

Bovine Cu/Zn-Superoxide Dismutase, Cu/Zn-SOD ELISA Kit | Cu/Zn-SOD elisa kit

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CATALOG #
AAA123379

REACTIVITY
Bovine

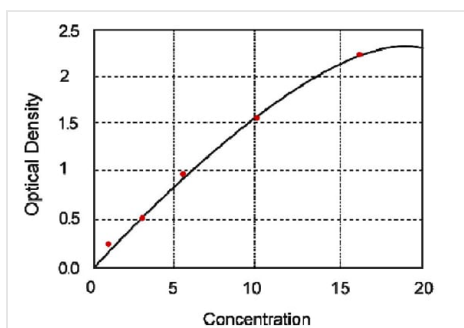
PRODUCT SYNONYMS

Cu/Zn-Superoxide Dismutase; Cu/Zn-SOD; Bovine Cu/Zn-Superoxide Dismutase; Cu/Zn-SOD ELISA Kit; Cu/Zn-SOD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Sequence Length	35
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids
Detection Range	6-1800ng/mL
Sensitivity	2.59ng/mL
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 Cu/Zn-SOD elisa kit	Principle of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Bovine Cu;Zn-SOD antibody. Cu;Zn-SOD present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Bovine Cu;Zn-SOD Antibody is added and binds to Cu;Zn-SOD in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated Cu;Zn-SOD 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 Bovine Cu;Zn-SOD. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm. Intended Uses: This sandwich kit is for the accurate quantitative detection of Bovine Cu;Zn-Superoxide Dismutase (also known as Cu;Zn-SOD) in serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1166440
NCBI GeneID	6647
NCBI Official Full Name	Cu /Zn superoxide dismutase, partial
NCBI Official Synonym Full Names	superoxide dismutase 1
NCBI Official Symbol	SOD1
NCBI Official Synonym Symbols	ALS; SOD; ALS1; IPOA; hSod1; HEL-S-44; homodimer
NCBI Protein Information	superoxide dismutase [Cu-Zn]

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/bovine-ovine-elisa-kits/cu-zn-superoxide-dismutase-cu-zn-sod/123379>