

Bovine Superoxide dismutase ELISA Kit | SOD2 elisa kit

Bovine Superoxide dismutase [Mn], mitochondrial ELISA Kit

CATALOG #
AAA310181

REACTIVITY
Bovine

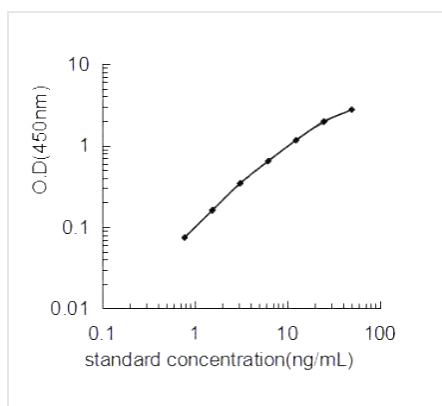
PRODUCT SYNONYMS

Superoxide dismutase; Bovine Superoxide dismutase [Mn]; mitochondrial ELISA Kit; Superoxide dismutase [Mn]; mitochondrial; SOD2; 1.15.1.1; SOD2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay recognizes recombinant and natural bovine Superoxide dismutase [Mn], mitochondrial. No significant cross-reactivity or interference was observed.
Samples	Serum, plasma, tissue homogenates and cell culture supernates and other biological fluids
Detection Range	0.78 ng/mL -50 ng/mL
Assay Time	3-5h
Sample Volume	100T
Detection Wavelength	450 nm
Preparation and Storage	Store at 4 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SOD2 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Superoxide dismutase [Mn], mitochondrial. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Superoxide dismutase [Mn], mitochondrial and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Superoxide dismutase [Mn], mitochondrial, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The concentration of Superoxide dismutase [Mn], mitochondrial in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of bovine Superoxide dismutase [Mn], mitochondrial concentrations in serum, plasma, tissue homogenates and cell culture supernates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	88853816
NCBI GeneID	281496
NCBI Accession #	NP_963285.2
NCBI GenBank Nucleotide #	NM_201527.2
UniProt Accession #	P41976; Q2KJE8; Q5E9D2; Q862F8
Molecular Weight	24,638 Da
NCBI Official Full Name	superoxide dismutase
NCBI Official Symbol	SOD2
NCBI Official Synonym Symbols	MnSOD
NCBI Protein Information	superoxide dismutase [Mn], mitochondrial
UniProt Protein Name	Superoxide dismutase [Mn], mitochondrial
UniProt Gene Name	SOD2

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-bovine-ovine-elisa-kits/superoxide-dismutase/310181>