Bovine Copper transport protein ATOX1 (ATOX1) ELISA Kit | ATOX1 elisa kit

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CATALOG #	REACTIVITY
AAA245027	**Bovine**

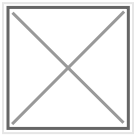
PRODUCT SYNONYMS

Copper transport protein ATOX1 (ATOX1); Bovine Copper transport protein ATOX1 (ATOX1) ELISA Kit; ATOX1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATOX1 elisa kit	Intended Uses: This ATOX1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine ATOX1. This ELISA kit for research use only! Principle of the Assay: ATOX1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-ATOX1 antibody and an ATOX1-HRP conjugate. The assay sample and buffer are incubated together with ATOX1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ATOX1 concentration since ATOX1 from samples and ATOX1-HRP conjugate compete for the anti-ATOX1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ATOX1 from the sample, fewer sites are left to bind ATOX1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ATOX1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757804
NCBI GeneID	475
NCBI Accession #	NP_004036.1
NCBI GenBank Nucleotide #	NM_004045.3

Molecular Weight	7,402 Da
NCBI Official Full Name	copper transport protein ATOX1
NCBI Official Synonym Full Names	antioxidant 1 copper chaperone
NCBI Official Symbol	ATOX1
NCBI Official Synonym Symbols	ATX1; HAH1
NCBI Protein Information	copper transport protein ATOX1; metal transport protein ATX1; ATX1 antioxidant protein 1 homolog
UniProt Protein Name	Copper transport protein ATOX1
UniProt Gene Name	**ATOX1**
UniProt Synonym Gene Names	HAH1
UniProt Entry Name	ATOX1_HUMAN

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/copper-transport-protein-atox1-atox1/245027