

Bovine cathepsin B (CTSB) ELISA Kit | CTSB elisa kit

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CATALOG #
AAA246657

REACTIVITY
Bovine

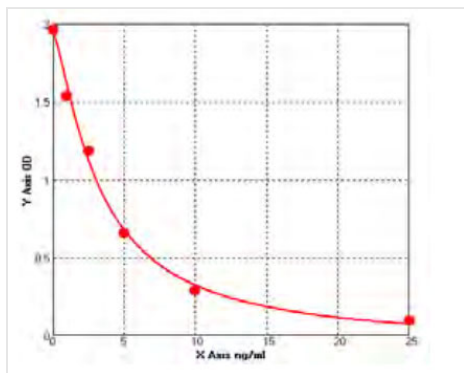
PRODUCT SYNONYMS

cathepsin B (CTSB); Bovine cathepsin B (CTSB) ELISA Kit; CTSB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of CTSB. No significant cross-reactivity or interference between CTSB and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CTSB and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTSB elisa kit	Principle of the Assay: CTSB ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CTSB antibody and an CTSB-HRP conjugate. The assay sample and buffer are incubated together with CTSB-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 CTSB concentration since CTSB from samples and CTSB-HRP conjugate compete for the anti-CTSB antibody binding site. Since the number of sites is limited, as more sites are occupied by CTSB from the sample, fewer sites are left to bind CTSB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CTSB concentration in each sample is interpolated from this standard curve. Intended Uses: This CTSB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine CTSB. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for CTSB elisa kit	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	27806671
NCBI GeneID	281105
NCBI Accession #	NP_776456.1
NCBI GenBank Nucleotide #	NM_174031.2
Molecular Weight	36,661 Da
NCBI Official Full Name	cathepsin B
NCBI Official Synonym Full Names	cathepsin B<
NCBI Official Symbol	CTSB
NCBI Protein Information	cathepsin B; BCSB
UniProt Protein Name	Cathepsin B
UniProt Gene Name	CTSB
UniProt Entry Name	CATB_BOVIN

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.