

Bovine Cathepsin D (CTSD) ELISA Kit | CTSD elisa kit

Cattle Cathepsin D (CTSD) ELISA Kit

CATALOG #
AAA182265

REACTIVITY
Bovine

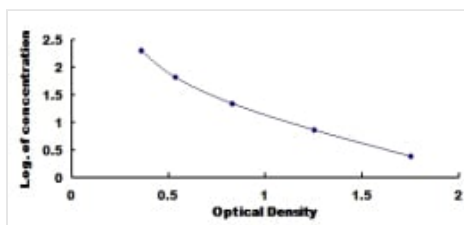
PRODUCT SYNONYMS

Cathepsin D (CTSD); Cattle Cathepsin D (CTSD) ELISA Kit; CPSD; CLN10; Lysosomal Aspartyl Protease; Ceroid-Lipofuscinosis; Neuronal 10; CTSD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of Cathepsin D (CTSD). No significant cross-reactivity or interference between Cathepsin D (CTSD) and analogues was observed.
Sequence Length	412
Assay Type	Competitive Inhibition
Samples	Serum, Plasma and Other Biological Fluids
Detection Range	2.47-200ng/mL
Sensitivity	< 0.88ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Cathepsin D (CTSD) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Cathepsin D (CTSD) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTSD elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Cathepsin D (CTSD) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Cathepsin D (CTSD) and unlabeled Cathepsin D (CTSD) (Standards or samples) with the pre-coated antibody specific to Cathepsin D (CTSD). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Cathepsin D (CTSD) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Cathepsin D (CTSD) in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503143
NCBI GeneID	1509
NCBI Accession #	NP_001900.1
NCBI GenBank Nucleotide #	NM_001909.4
UniProt Accession #	P07339; Q6IB57
Molecular Weight	44,552 Da
NCBI Official Full Name	cathepsin D preproprotein
NCBI Official Synonym Full Names	cathepsin D
NCBI Official Symbol	CTSD
NCBI Official Synonym Symbols	CPSD; CLN10; HEL-S-130P
NCBI Protein Information	cathepsin D
UniProt Protein Name	Cathepsin D
UniProt Gene Name	CTSD
UniProt Synonym Gene Names	CPSD

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.