

Rat Cathepsin D ELISA Kit | CTSD elisa kit

Rat Cathepsin D ELISA Kit

CATALOG #
AAA82500

REACTIVITY
Rat

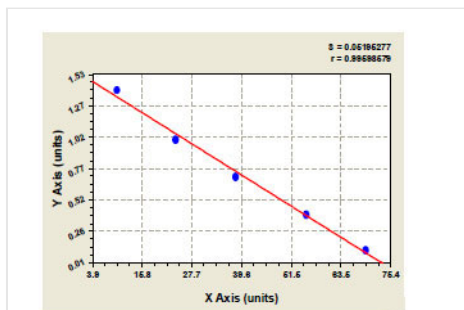
PRODUCT SYNONYMS

Cathepsin D; Rat Cathepsin D ELISA Kit; CTSD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTSD elisa kit

Intended Uses||This CTSD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CTSD. This ELISA kit for research use only!

Principle of the Assay: CTSD ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-CTSD antibody and an CTSD-HRP conjugate. The assay sample and buffer are incubated together with CTSD-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 CTSD concentration since CTSD from samples and CTSD-HRP conjugate compete for the anti-CTSD antibody binding site. Since the number of sites is limited, as more sites are occupied by CTSD from the sample, fewer sites are left to bind CTSD-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CTSD concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CTSD elisa kit

Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	48146011
NCBI GeneID	1509
UniProt Accession #	P07339; Q6IB57
Molecular Weight	44,552 Da
NCBI Official Full Name	CTSD
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; lysosomal aspartyl protease; lysosomal aspartyl peptidase; ceroid-lipofuscinosis, neuronal 10; epididymis secretory sperm binding protein Li 130P
UniProt Protein Name	Cathepsin D
UniProt Gene Name	CTSD
UniProt Synonym Gene Names	CPSD
UniProt Entry Name	CATD_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/ctsd-rat-elisa-kits/cathepsin-d/82500>