

Rat cathepsin D ELISA Kit | Cath-D elisa kit

Rat cathepsin D ELISA Kit

CATALOG #
AAA83060

REACTIVITY
Rat

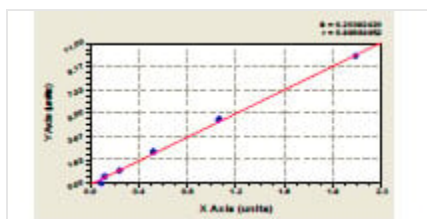
PRODUCT SYNONYMS

cathepsin D; Rat cathepsin D ELISA Kit; Rat cathepsin D (Cath-D); cathepsin D (Rat); Cath-D elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
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 Cath-D 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 quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for CTSD. Standards or samples are then added to the microtiter plate wells and CTSD if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of CTSD present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for CTSD are added to each well to "sandwich" the CTSD immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain CTSD and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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 Cath-D elisa kit

Rat ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	179948
NCBI GeneID	1509
UniProt Accession #	P07339; Q6IB57
Molecular Weight	44,552 Da
NCBI Official Full Name	cathepsin D
NCBI Official Synonym Full Names	cathepsin D
NCBI Official Symbol	CTSD
NCBI Official Synonym Symbols	CPSD; CLN10
NCBI Protein Information	cathepsin D; lysosomal aspartyl protease; lysosomal aspartyl peptidase; ceroid-lipofuscinosis, neuronal 10
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/cath-d-rat-elisa-kits/cathepsin-d/83060>