

Mouse Cathepsin D (CTSD) CLIA Kit | CTSD clia kit

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CATALOG # AAA189015	REACTIVITY Mouse	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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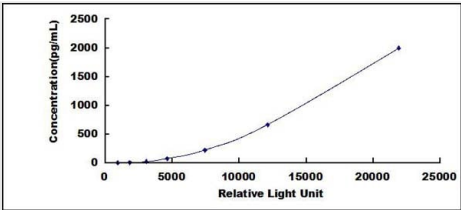
PRODUCT SYNONYMS

Cathepsin D (CTSD); Mouse Cathepsin D (CTSD) CLIA Kit; Cathepsin D; CPSD; CLN10; Lysosomal Aspartyl Protease; Ceroid-Lipofuscinosis; Neuronal 10; CTSD clia kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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	410
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	2.74-2,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.98pg/mL
Applicable Applications for CTSD clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	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. $CV(\%) = SD/mean \times 100$ Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Cathepsin D (CTSD). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Cathepsin D (CTSD). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Cathepsin D (CTSD) level in the sample or standard.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	115718
NCBI GeneID	13033
UniProt Accession #	P18242
NCBI Official Full Name	Cathepsin D
NCBI Official Synonym Full Names	cathepsin D
NCBI Official Symbol	Ctsd
NCBI Official Synonym Symbols	CD; CatD
NCBI Protein Information	cathepsin D
UniProt Protein Name	Cathepsin D
UniProt Gene Name	Ctsd

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.