

Human Cathepsin V (CTSV) ELISA Kit | CTSV elisa kit

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CATALOG #
AAA66586

REACTIVITY
Human

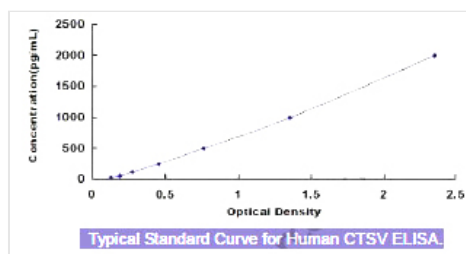
PRODUCT SYNONYMS

Cathepsin V (CTSV); Human Cathepsin V (CTSV) ELISA Kit; TS-L2; CTS2L2; CATL2; CTSU; CTS-V; Cathepsin L2; CTSV elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CTSV. No significant cross-reactivity or interference between CTSV and analogues was observed.
Sequence Length	334
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	31.25-2000pg/mL
Sensitivity	10.9pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CTSV were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CTSV were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTSV elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CTSV in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CTSV. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CTSV. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CTSV, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CTSV in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	320118898
NCBI GeneID	1515
NCBI Accession #	NP_001188504.1
NCBI GenBank Nucleotide #	NM_001201575.1
UniProt Accession #	O60911; O60233; Q2TB86; Q5T1U0
Molecular Weight	37,329 Da
NCBI Official Full Name	cathepsin L2 preproprotein
NCBI Official Synonym Full Names	cathepsin V
NCBI Official Symbol	CTSV
NCBI Official Synonym Symbols	CTSU; CATL2; CTSL2
NCBI Protein Information	cathepsin L2
UniProt Protein Name	Cathepsin L2
UniProt Gene Name	CTSV
UniProt Synonym Gene Names	CATL2; CTSL2; CTSU

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.