

Human Cathepsin L2 ELISA Kit | CTSL2 elisa kit

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CATALOG #
AAA100721

REACTIVITY
Human

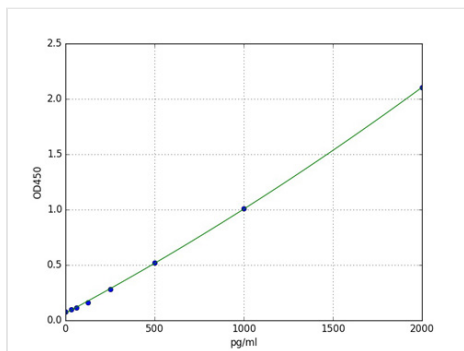
PRODUCT SYNONYMS

Cathepsin L2; Human Cathepsin L2 ELISA Kit; CTSV/Cathepsin V/CTSL2/CATL2/CTSU/Cathepsin L2/Cathepsin U/cathepsin L2; preproprotein; CTSL2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	334
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human CTSV ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	31.2	62.5	125	250	500	1000	2000
Y	OD450	0.141	0.200	0.225	0.319	0.533	0.953	1.471	2.129

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTSL2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human CTSV antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human CTSV antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human CTSV amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human CTSV can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

3087790

NCBI GeneID	1515
UniProt Accession #	O60911; O60233; Q2TB86; Q5T1U0
Molecular Weight	37,329 Da
NCBI Official Full Name	cathepsin L2
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
UniProt Entry Name	CATL2_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/ctsl2-human-elisa-kits/cathepsin-l2/100721>