

Human Cathepsin L1 ELISA Kit | CTSL1 elisa kit

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CATALOG #
AAA100874

REACTIVITY
Human

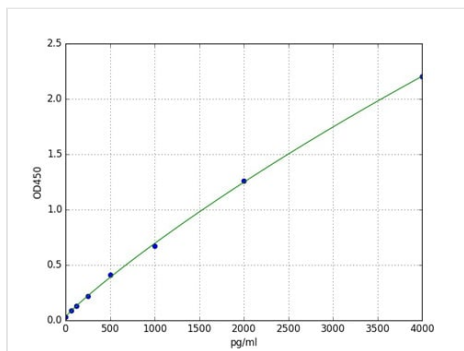
PRODUCT SYNONYMS

Cathepsin L1; Human Cathepsin L1 ELISA Kit; CTSL1/CTSL/cathepsin L/cathepsin L1/CATL/Major excreted protein/MEP; CTSL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	333
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	62.5-4000pg/ml
Sensitivity	37.5pg/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 CTSL1 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	62.5	125	250	500	1000	2000	4000
Y	OD450	0.002	0.103	0.198	0.389	0.724	1.176	1.741	2.343

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTSL1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-CTSL1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-CTSL1 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 CTSL1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of CTSL1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

384081594

NCBI GeneID	1514
NCBI Accession #	NP_001244901.1
NCBI GenBank Nucleotide #	NM_001257972.1
Molecular Weight	37,564 Da
NCBI Official Full Name	cathepsin L1 isoform 1 preproprotein
NCBI Official Synonym Full Names	cathepsin L
NCBI Official Symbol	CTSL
NCBI Official Synonym Symbols	MEP; CATL; CTSL1
NCBI Protein Information	cathepsin L1
UniProt Protein Name	Cathepsin L1
UniProt Gene Name	CTSL
UniProt Synonym Gene Names	CTSL1; MEP
UniProt Entry Name	CATL1_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/ctsl1-human-elisa-kits/cathepsin-l1/100874>