

Human cathepsin L1 ELISA Kit | CTSL1 elisa kit

Human Cathepsin L1, CTSL1/CTSL ELISA Kit

CATALOG #
AAA112437

REACTIVITY
Human

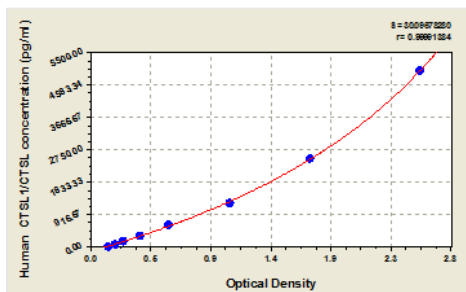
PRODUCT SYNONYMS

cathepsin L1; Human Cathepsin L1; CTSL1/CTSL ELISA Kit; Human Cathepsin L1 (CTSL1/CTSL) ELISA kit; CATL; CTSL; FLJ31037; MEP; cathepsin L; major excreted protein; CTSL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human CTSL1/CTSL. No significant cross-reactivity or interference between human CTSL1/CTSL and analogues was observed.
Sequence Length	333
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	78 pg/ml -5000 pg/ml.
Sensitivity	The minimum detectable dose of human CTSL1/CTSL is typically less than 19.5 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTSL1 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CTSL1/CTSL has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CTSL1/CTSL present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CTSL1/CTSL is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CTSL1/CTSL bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	384081592
NCBI GeneID	1514
NCBI Accession #	NP_001244900.1
NCBI GenBank Nucleotide #	NM_001257971.1
UniProt Accession #	P07711; Q6IAV1; Q96QJ0
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; major excreted protein
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-l1/112437>