

Mouse cathepsin L1 ELISA Kit | CTSL1 elisa kit

Mouse Cathepsin L1, CTSL1 ELISA Kit

CATALOG #
AAA112243

REACTIVITY
Mouse

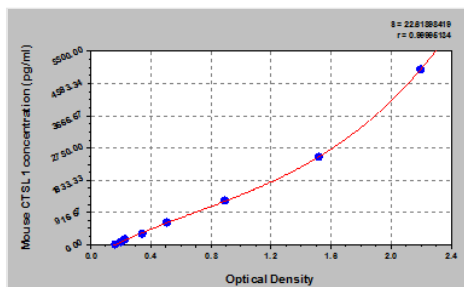
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse CTSL1. No significant cross-reactivity or interference between mouse CTSL1 and analogues was observed.
Sequence Length	334
Samples	Serum, plasma, tissue homogenates, Cell lysates
Assay Type	Sandwich
Detection Range	78 pg/ml-5000 pg/ml.
Sensitivity	The minimum detectable dose of mouse CTSL1 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 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CTSL1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CTSL1 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 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 #	6753558
NCBI GeneID	13039
NCBI Accession #	NP_034114.1
NCBI GenBank Nucleotide #	NM_009984.3
UniProt Accession #	P06797; Q91UZ0
Molecular Weight	37,547 Da
NCBI Official Full Name	cathepsin L1 preproprotein
NCBI Official Synonym Full Names	cathepsin L
NCBI Official Symbol	Ctsl
NCBI Official Synonym Symbols	fs; MEP; nkt; Ctsl1; 1190035F06Rik
NCBI Protein Information	cathepsin L1; Cat L; nackt; furless; major excreted protein; p39 cysteine proteinase
UniProt Protein Name	Cathepsin L1
UniProt Gene Name	Ctsl
UniProt Synonym Gene Names	Ctsl1; MEP
UniProt Entry Name	CATL1_MOUSE

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-mouse-elisa-kits/cathepsin-l1/112243>