

Mouse Cathepsin L1 ELISA Kit | CTSL1 elisa kit

Mouse Cathepsin L1 (CTSL1) ELISA Kit

CATALOG #
AAA55377

REACTIVITY
Mouse

PRODUCT SYNONYMS

Cathepsin L1; Mouse Cathepsin L1 (CTSL1) ELISA Kit; 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.
Samples	Serum, Plasma, Other biological fluids
Assay Type	Sandwich
Sample Volume	1-200 uL
Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100 Intra-Assay: CV Inter-Assay: CV
Detection Wavelength	450 nm
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for CTSL1 elisa kit	Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate CTSL1 in samples. An antibody specific for CTSL1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyCTSL1 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, Streptavidin 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.
References	Cathepsin L in tumor angiogenesis and its therapeutic intervention by the small molecule inhibitor KGP94 . Dhivya R. Sudhan, Maria B. Rabaglino, Charles E. Wood, Dietmar W. Siemann (2016) Cathepsin L inactivation leads to multimodal inhibition of prostate cancer cell dissemination in a preclinical bone metastasis model . Alexios S. Antonopoulos, Marios Margaritis, Patricia Coutinho, Cheerag Shirodaria, Costas Psarros, Laura Herdman, Fabio Sanna, Ravi De Silva, Mario Petrou, Rana Sayeed, George Krasopoulos, Regent Lee, Janet Digby, Svetlana Reilly, Constantinos Bakogiannis, Dimitris Tousoulis, Benedikt Kessler, Barbara Casadei, Keith M. Channon and Charalambos Antoniadis (2016)

NCBI AND UNIPROT INFORMATION

NCBI GI #	6753558
NCBI GeneID	13039

NCBI Accession #	NP_034114.1
NCBI GenBank Nucleotide #	NM_009984.4
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; CatL; Ctsl1; 1190035F06Rik
NCBI Protein Information	cathepsin L1
UniProt Protein Name	Cathepsin L1
UniProt Gene Name	Ctsl
UniProt Synonym Gene Names	Ctsl1; MEP

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://www.aaabiotech.com/ctsl1-mouse-elisa-kits/cathepsin-l1/55377>