

Mouse Cathepsin L1 (CTSL1/CTSL) ELISA Kit | CTSL1 elisa kit

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CATALOG #
AAA246119

REACTIVITY
Mouse

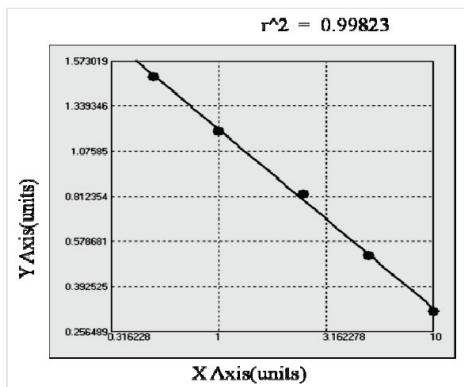
PRODUCT SYNONYMS

Cathepsin L1 (CTSL1/CTSL); Mouse Cathepsin L1 (CTSL1/CTSL) ELISA Kit; CTSL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This CTSL1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CTSL1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTSL1 elisa kit

Principle of the assay: CTSL1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CTSL1 antibody and an CTSL1-HRP conjugate. The assay sample and buffer are incubated together with CTSL1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CTSL1 concentration since CTSL1 from samples and CTSL1-HRP conjugate compete for the anti-CTSL1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CTSL1 from the sample, fewer sites are left to bind CTSL1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CTSL1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	22202619
NCBI GeneID	1514
NCBI Accession #	NP_666023.1
NCBI GenBank Nucleotide #	NM_145918.2
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.