

Human Cathepsin V ELISA Kit | CTSV elisa kit

Human Cathepsin V PicoKine Quick ELISA Kit

CATALOG # AAA128098	REACTIVITY Human	APPLICATIONS ELISA
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PRODUCT SYNONYMS

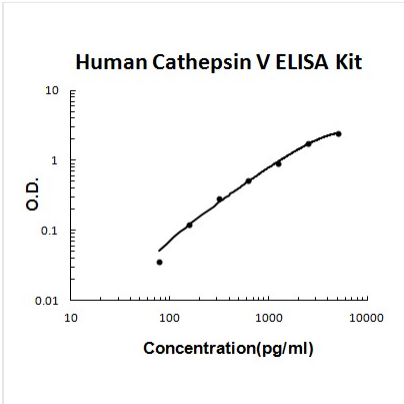
Cathepsin V; Human Cathepsin V PicoKine Quick ELISA Kit; cathepsin V; Cathepsin L2; Cathepsin U; CTSV; CATL2; CTSL2; CTSU; UNQ268/PRO305; CTSV elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	cell culture supernatants, serum and plasma (heparin, EDTA)
Assay Range	78pg/ml-5,000pg/ml
Sensitivity	<15pg/ml
Capture antibody and Detection antibody	A monoclonal antibody from mouse a biotinylated detection polyclonal antibody from goat
Immunogen	Expression system for standard: NS0; Immunogen sequence: V18-V334
Anticoagulant	heparin or EDTA
Cross Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Applicable Applications for CTSV elisa kit	ELISA
Kit Components	Description/Quantity Pre-coated 96-well strip microplate/1 Standard/2 vials, 10 ng/tube Biotinylated antibody (100x)/100ul Avidin-Biotin-Peroxidase Complex (100x)/100ul Sample Diluent/30ml Antibody Diluent/12ml Avidin-Biotin-Peroxidase Diluent/12ml Color Developing Reagent (TMB)/10ml Stop Solution/10ml Wash Buffer (25x)/20ml Adhesive plate sealers/4
Materials Required But Not Provided	Microplate Reader capable of reading absorbance at 450nm. Incubator. Automated plate washer (optional). Pipettes and pipette tips capable of precisely dispensing 0.5ul through 1ml volumes of aqueous solutions. Multichannel pipettes are recommended for large amount of samples. Deionized or distilled water. 500ml graduated cylinders. Test tubes for dilution.
Sample Data	Concentration (pg/ml)0781563126251250250050000.D.0.0960.1320.2160.3790.6091.0111.8282.542
Intra Assay Consistency & Inter Assay Consistency	Intra-Assay PrecisionInter-Assay PrecisionSample123123n161616242424Mean (pg/ml)10071423461368232464Standard deviation5.3044.27105.576.3952.67133.06CV (%)5.3%6.2%4.5%4.7%6.4%5.4%

Reproducibility	LotsLot 1 (pg/ml)Lot 2 (pg/ml)Lot 3 (pg/ml)Lot 4 (pg/ml)Mean (pg/ml)Standard DeviationCV (%)Sample 11001211111161127.776.9%Sample 274175685785180153.056.6%Sample 32346238424642369239044.401.8%*number of samples for each test n=16.
Preparation and Storage	Store at 4 degree C for 6 months. (Ships with gel ice, can store for up to 3 days in room temperature. Refrigerate upon receipt.)

IMAGES



Standard Curve (Sample)
Human Cathepsin V PicoKine ELISA Kitstandard curve

ADDITIONAL INFORMATION

Related Product Information for CTSV elisa kit	The brand Picokine indicates this is a premium quality ELISA kit. Each Picokine kit delivers precise quantification, high sensitivity, and excellent reproducibility. Only our most reliable and effective kits qualify as Picokine, guaranteeing top-tier results for your assays.
Product Categories/Family for CTSV elisa kit	Quick ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	320118898
NCBI GeneID	1515
NCBI Accession #	NP_001188504.1
NCBI GenBank Nucleotide #	NM_001201575.1
UniProt Accession #	O60911 ; O60233 ; Q2TB86 ; Q5T1U0
Molecular Weight	37,329 Da
NCBI Official Full Name	cathepsin L2 preproprotein
NCBI Official Synonym Full Names	cathepsin L2
NCBI Official Symbol	CTSL2
NCBI Official Synonym Symbols	CTSU; CTSV; CATL2
NCBI Protein Information	cathepsin L2; cathepsin U; cathepsin V; cathepsin L2, preproprotein
UniProt Protein Name	Cathepsin L2
UniProt Gene Name	CTSL2
UniProt Synonym Gene Names	CATL2; CTSU; CTSV

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/ctsv-human-elisa-kits/cathepsin-v/128098>