

Human Cathepsin E ELISA Kit | CTSE elisa kit

Human Cathepsin E PicoKine Quick ELISA Kit

CATALOG # AAA128088	REACTIVITY Human	APPLICATIONS ELISA
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PRODUCT SYNONYMS

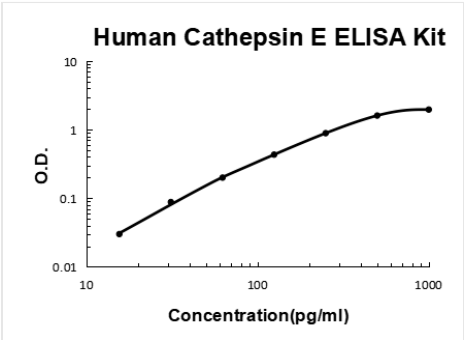
Cathepsin E; Human Cathepsin E PicoKine Quick ELISA Kit; 3.4.23.34; Cathepsin E form I; Cathepsin E form II; CTSE; CTSE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Assay Range	15.6pg/ml-1,000pg/ml
Sensitivity	<10pg/ml
Capture antibody and Detection antibody	monoclonal antibody from mouse polyclonal antibody from goat
Immunogen	Expression system for standard: NS0; Immunogen sequence: Q18-P396
Anticoagulant	heparin or EDTA
Cross Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Applicable Applications for CTSE 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)015.631.262.51252505001000O.D.0.0470.0770.1350.2470.4800.9371.6552.014
Intra Assay Consistency & Inter Assay Consistency	Intra-Assay PrecisionInter-Assay PrecisionSample123123n161616242424Mean (pg/ml)27634163082435Standard deviation1.303.5919.141.534.8427.84CV (%)4.8%5.7%4.6%5.1%5.9%6.4%

Reproducibility	LotsLot 1 (pg/ml)Lot 2 (pg/ml)Lot 3 (pg/ml)Lot 4 (pg/ml)Mean (pg/ml)Standard DeviationCV (%)Sample 127242526251.114.4%Sample 263616971664.126.2%Sample 34164143994124106.641.6%*number of samples for each test n=16.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)
Human Cathepsin E PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CTSE 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 CTSE elisa kit	Quick ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	46397366
NCBI GeneID	1510
UniProt Accession #	P14091 ; Q5TZ01 ; Q5TZ02 ; Q9NY58 ; Q9UCE3 ; Q9UCE4
Molecular Weight	396
NCBI Official Full Name	Cathepsin E
NCBI Official Synonym Full Names	cathepsin E
NCBI Official Symbol	CTSE
NCBI Official Synonym Symbols	CATE
NCBI Protein Information	cathepsin E; slow-moving proteinase; erythrocyte membrane aspartic proteinase
UniProt Protein Name	Cathepsin E
UniProt Gene Name	CTSE
UniProt Entry Name	CATE_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.