

Mouse Cathepsin E ELISA Kit | CTSE elisa kit

Mouse Cathepsin E ELISA Kit PicoKine

CATALOG # AAA126678	REACTIVITY Mouse	APPLICATIONS ELISA
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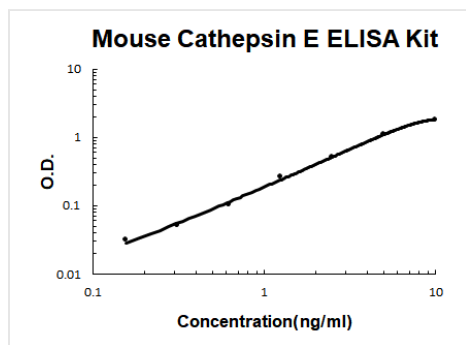
PRODUCT SYNONYMS

Cathepsin E; Mouse Cathepsin E ELISA Kit PicoKine; Decorin; Bone proteoglycan II; PG-S2; PG40; DCN; SLRR1B; cathepsin E; CTSE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Ctse
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA)
Detection Range	0.156 ng/ml - 10 ng/ml
Sensitivity	<20 pg/ml
Applicable Applications for CTSE elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
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)

Mouse Cathepsin E PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CTSE elisa kit	Background: Cathepsin E is a protein that in humans is encoded by the CTSE gene. It is mapped to 1q32.1. The protein encoded by this gene is a gastric aspartyl protease that functions as a disulfide-linked homodimer. This protease, which is a member of the peptidase C1 family, has a specificity similar to that of pepsin A and cathepsin D. It is an intracellular proteinase that does not appear to be involved in the digestion of dietary protein and is found in highest concentration in the surface of epithelial mucus-producing cells of the stomach. Cathepsin E is the first aspartic proteinase expressed in the fetal stomach and is found in more than half of gastric cancers. It appears, therefore, to be an oncofetal antigen, and it also has an important role in immune responses. Principle of the Assay: The Picokine™ Mouse Ctse Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Mouse Ctse with a 96-well strip plate that is pre-coated with antibody specific for Ctse. The detection antibody is a biotinylated antibody specific for Ctse. The capture antibody is a monoclonal antibody from rat and the detection antibody is a biotinylated polyclonal antibody from goat. The kit includes Mouse Ctse protein as standards. To measure Mouse Ctse, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Mouse Ctse in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Ctse in the sample.
Product Categories/Family for CTSE elisa kit	PicoKine ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	166235886
NCBI GeneID	13034
NCBI Accession #	NP_031825
NCBI GenBank Nucleotide #	NM_007799.3
UniProt Accession #	P70269; O35647; Q3UKT5; Q4FK00
Molecular Weight	41.8kDa (385aa) 40-57KDa (SDS-PAGE under reducing conditions.)
NCBI Official Full Name	cathepsin E preproprotein
NCBI Official Synonym Full Names	cathepsin E
NCBI Official Symbol	Ctse
NCBI Official Synonym Symbols	CE; CatE; A430072O03Rik; C920004C08Rik
NCBI Protein Information	cathepsin E
UniProt Protein Name	Cathepsin E
UniProt Gene Name	Ctse

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.