

Mouse Cathepsin E (CTSE) ELISA Kit | CTSE elisa kit

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CATALOG #
AAA247043

REACTIVITY
Mouse

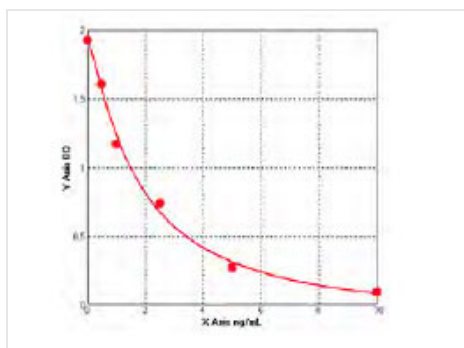
PRODUCT SYNONYMS

Cathepsin E (CTSE); Mouse Cathepsin E (CTSE) ELISA Kit; CTSE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTSE elisa kit

Intended Uses: This CTSE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of MouseCTSE. This ELISA kit for research use only!

Principle of the Assay: CTSE ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CTSE antibody and an CTSE-HRP conjugate. The assay sample and buffer are incubated together with CTSE-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 CTSE concentration since CTSE from samples and CTSE-HRP conjugate compete for the anti-CTSE antibody binding site. Since the number of sites is limited, as more sites are occupied by CTSE from the sample, fewer sites are left to bind CTSE-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CTSE concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CTSE elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	181194
NCBI GeneID	1510
Molecular Weight	39,553 Da
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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/cathepsin-e-ctse/247043>