

Mouse cathepsin B ELISA Kit | CTSB elisa kit

Mouse Cathepsin B, CTSB ELISA Kit

 CATALOG #
AAA112690

 REACTIVITY
Mouse

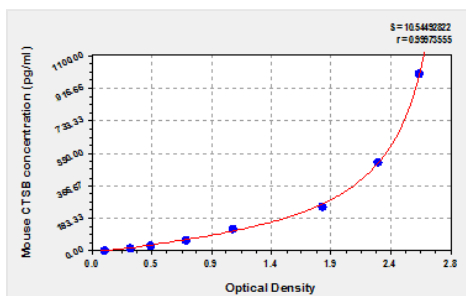
PRODUCT SYNONYMS

cathepsin B; Mouse Cathepsin B; CTSB ELISA Kit; Mouse Cathepsin B (CTSB) ELISA kit; APPS; CPSB; APP secretase; amyloid precursor protein secretase; cathepsin B1; cysteine protease; preprocathepsin B; CTSB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse CTSB. No significant cross-reactivity or interference between Mouse CTSB and analogues was observed.
Sequence Length	339
Samples	Serum, plasma, tissue homogenates, Cell lysates
Assay Type	Sandwich
Detection Range	15.6 pg/ml-1000 pg/ml
Sensitivity	3.9 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTSB elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CTSB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CTSB present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CTSB is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CTSB bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6681079
NCBI GeneID	13030
NCBI Accession #	NP_031824.1
NCBI GenBank Nucleotide #	NM_007798.3
UniProt Accession #	P10605; Q3UDW7
Molecular Weight	37,280 Da
NCBI Official Full Name	cathepsin B preproprotein
NCBI Official Synonym Full Names	cathepsin B
NCBI Official Symbol	Ctsb
NCBI Official Synonym Symbols	CB
NCBI Protein Information	cathepsin B; cathepsin B1
UniProt Protein Name	Cathepsin B
UniProt Gene Name	Ctsb
UniProt Entry Name	CATB_MOUSE

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.