

Human cathepsin B ELISA Kit | CTSB elisa kit

Human Cathepsin B, CTSB ELISA Kit

CATALOG #
AAA79732

REACTIVITY
Human

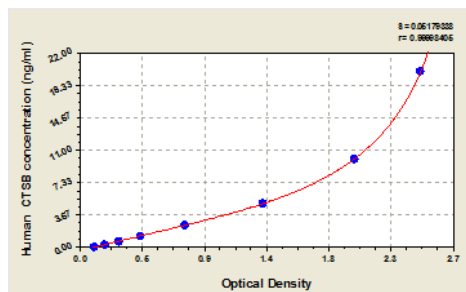
PRODUCT SYNONYMS

cathepsin B; Human Cathepsin B; CTSB ELISA Kit; Human 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	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human CTSB. No significant cross-reactivity or interference between human CTSB and analogues was observed.
Sequence Length	339
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates
Detection Range	0.312 ng/ml-20 ng/ml
Sensitivity	< 0.078 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
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 Horseradish Peroxidase (HRP)-conjugated antibody specific for CTSB is added to the wells. Following a wash to remove any unbound 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 #	4503139
NCBI GeneID	1508
NCBI Accession #	NP_001899.1
NCBI GenBank Nucleotide #	NM_001908.3
UniProt Accession #	P07858; Q503A6; Q96D87; B3KQR5; B3KRR5
Molecular Weight	37,822 Da
NCBI Official Full Name	cathepsin B preproprotein
NCBI Official Synonym Full Names	cathepsin B
NCBI Official Symbol	CTSB
NCBI Official Synonym Symbols	APPS; CPSB
NCBI Protein Information	cathepsin B; cathepsin B1; APP secretase; cysteine protease; amyloid precursor protein secretase
UniProt Protein Name	Cathepsin B
UniProt Gene Name	CTSB
UniProt Synonym Gene Names	CPSB; APPS
UniProt Entry Name	CATB_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.