

Human Cathepsin B, cath-B ELISA Kit | cath-B elisa kit

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CATALOG #
AAA43524

REACTIVITY
Human

PRODUCT SYNONYMS

Cathepsin B; cath-B; Human Cathepsin B; cath-B ELISA Kit; cath-B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	339
Samples	Serum, plasma, cell culture supernates, cell lysates, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.2ng/ml - 60ng/ml
Sensitivity	0.12ng/ml
Intra-Assay	CV<8%
Inter-Assay	CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for cath-B elisa kit

Intended Uses: This sandwich kit is for the accurate quantitative detection of human Cathepsin B (also known as Cath-B) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates.

Principles of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with human Cath-B antibody. Cath-B present in the sample is added and binds to antibodies coated on the wells. And then biotinylated human Cath-B Antibody is added and binds to Cath-B in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated Cath-B antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of human Cath-B. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	22538437
NCBI GeneID	1508
NCBI Accession #	NP_680093.1
NCBI GenBank Nucleotide #	NM_147783.3
UniProt Accession #	P07858; Q503A6; Q96D87; B3KQR5; B3KRR5
Molecular Weight	37,822 Da
NCBI Official Full Name	cathepsin B isoform 1 preproprotein
NCBI Official Synonym Full Names	cathepsin B
NCBI Official Symbol	CTSB
NCBI Official Synonym Symbols	APPS; CPSB; RECEUP
NCBI Protein Information	cathepsin B
UniProt Protein Name	Cathepsin B
UniProt Gene Name	CTSB
UniProt Synonym Gene Names	CPSB; APPS

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/human-elisa-kits/cathepsin-b-cath-b/43524>