

## Human Cathepsin B ELISA Kit | CTSB elisa kit

Human Cathepsin B ELISA Kit

CATALOG #  
**AAA99771**

REACTIVITY  
**Human**

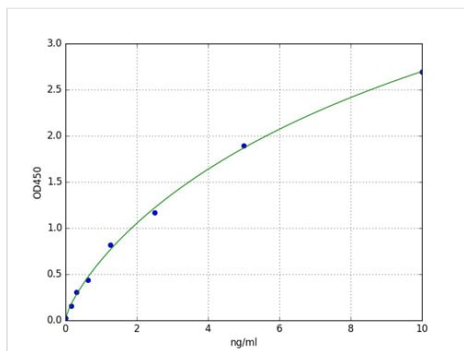
### PRODUCT SYNONYMS

Cathepsin B; Human Cathepsin B ELISA Kit; CTSB (Cathepsin B)/APPS/CPSB; CTSB elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                        |
| Sequence Length         | 339                                                                                                                                                          |
| Assay Type              | Sandwich ELISA, Double Antibody                                                                                                                              |
| Samples                 | Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples                                                                         |
| Detection Range         | 0.156-10ng/ml                                                                                                                                                |
| Sensitivity             | 0.094ng/ml                                                                                                                                                   |
| Preparation and Storage | Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C |

### IMAGES



Standard Curve (Sample)

#### Typical Data & Standard Curve

Results of a typical standard run of a Human CTSB(Cathepsin B)/APPS/CPSB ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

| X | ng/ml | 0 | 0.156 | 0.313 | 0.625 | 1.25 | 2.5 | 5 | 10 |
|---|-------|---|-------|-------|-------|------|-----|---|----|
| Y | OD450 |   |       |       |       |      |     |   |    |

Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for CTSB elisa kit

**Principle of the Assay**||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human CTSB(Cathepsin B)/APPS/CPSB antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human CTSB(Cathepsin B)/APPS/CPSB antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human CTSB(Cathepsin B)/APPS/CPSB amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human CTSB(Cathepsin B)/APPS/CPSB can be calculated.

NCBI AND UNIPROT INFORMATION

|                                  |                                     |
|----------------------------------|-------------------------------------|
| NCBI GI #                        | 22538437                            |
| NCBI GeneID                      | 1508                                |
| NCBI Accession #                 | NP_680093.1                         |
| NCBI GenBank Nucleotide #        | NM_147783.3                         |
| 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                          |
| NCBI Protein Information         | cathepsin B                         |
| UniProt Protein Name             | Cathepsin B                         |
| UniProt Gene Name                | <b>CTSB</b>                         |
| 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.

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Online datasheet: <https://www.aaabiotech.com/ctsb-human-elisa-kits/cathepsin-b/99771>