# Human Cathepsin B ELISA Kit (2 plates)

**Catalogue No.:** BEK-2163-2P

**Description:** The human Cathepsin B Kit is a sandwich ELISA. The capture antibody is a polyclonal human Cathepsin B antibody pre-coated onto the 96-well strip plates provided in the kit. Human test samples and standards of known Cathepsin B concentration are added to these wells and allowed to complex with the bound Cathepsin B antibody. A biotinylated human Cathepsin B antibody is then added. This detection antibody binds to the antigen thus completing the sandwich. After washing, an enzyme Avidin-Biotin-Peroxidase complex (ABC) is added which binds to the second antibody. The peroxidase substrate TMB is added to induce a coloured reaction product. The intensity of this coloured product is directly proportional to the concentration of Cathepsin B present in the samples. The purpose of this kit is the in-vitro quantitative determination of human Cathepsin B in samples such as sera, plasma, tissue lysates and cell culture supernates. This kit has been configured for research use only and is not to be used in diagnostic or clinical procedures.

**Batch No.:** See product labels

**Other Names:** APP secretase; APPS; Cathepsin B1; CTSB; CPSB;

**Accession:** P07858 CATB_HUMAN;

**Specificity:** Human Cathepsin B

**Storage:** Store at 4°C

**Specific References:** 1. Gogiel T et al (2012) Differential distribution of cathepsin B in human umbilical cord tissues. Acta Biochim Pol. 2012;59(4):679-84

**Kit components:** The ELISA kit box contains 1 x 96-well pre-coated strip plate, protein standards, detection reagents, substrate buffer and detailed protocols.

**Range:** 156 pg/ml - 10,000 pg/ml

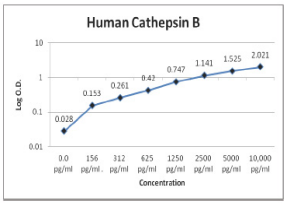
**Sensitivity:** < 5 pg/ml

**Kit protocol:** Please refer to our online product listing for current protocol/MSDS versions.

IX: Typical Standard Curve (for reference only, not to be used for actual data)

| Concentration pg/ml | 0.0 pg/ml | 156 pg/ml | 312 pg/ml | 625 pg/ml | 1250 pg/ml | 2500 pg/ml | 5000 pg/ml | 10,000 pg/ml |
|---|---|---|---|---|---|---|---|---|
| O.D. | 0.028 | 0.153 | 0.261 | 0.420 | 0.747 | 1.141 | 1.525 | 2.021 |

This standard curve is for demonstration purposes only. A standard curve should be generated for each assay.





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