

## Mouse Cathepsin B ELISA Kit (2 plates)

**Catalogue No.:** BEK-2173-2P

**Description:** The mouse Cathepsin B Kit is a sandwich ELISA. The capture antibody is a polyclonal mouse Cathepsin B antibody pre-coated onto the 96-well strip plates provided in the kit. Mouse test samples and standards of known Cathepsin concentration are added to these wells and allowed to complex with the bound Cathepsin antibody. A biotinylated mouse 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 present in the samples. The purpose of this kit is the in-vitro quantitative determination of mouse Cathepsin 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. The cell line used to make Cathepsin B standard in the mouse Cathepsin kit is NSO cells; they are murine B-cell plasmacytoma line.

**Batch No.:** See product labels

**Other Names:** Cathepsin B1; Ctsb;

**Accession:** P10605 CATB\_MOUSE;

**Storage:** Store at 4°C

**Kit components:** The ELISA kit box contains 2 x 96 pre-coated strip plates, protein standards, detection reagents, substrate buffer and precise instructions.

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

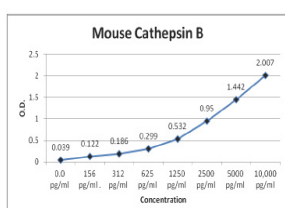
**Sensitivity:** < 5 pg/ml

**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	156	312	625	1250	2500	5000	10,000
O.D.	0.039	0.122	0.186	0.268	0.532	0.850	1.442	2.007

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



FOR RESEARCH USE ONLY