



## Human Interleukin 1 beta ELISA Kit (2 plates)

**Catalogue No.:** BEK-2158-2P

**Description:** The human Interleukin 1 beta (IL-1b) Kit is a sandwich ELISA. The capture antibody is a monoclonal human IL-1b antibody pre-coated onto the 96-well strip plates provided in the kit. Human test samples and standards of known IL-1b concentration are added to these wells and allowed to complex with the bound IL-1b antibody. A biotinylated anti-human IL-1b 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 IL-1b present in the samples. The purpose of this kit is the in-vitro quantitative determination of human IL-1b in samples such as sera, plasma, 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:** Interleukin-1 beta; IL-1 beta; Catabolin; IL1B; IL1F2; IL1-beta;

**Accession:** P01584 IL1B\_HUMAN;

**Specificity:** Human IL-1b

**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:** 3.9 pg/ml - 250 pg/ml

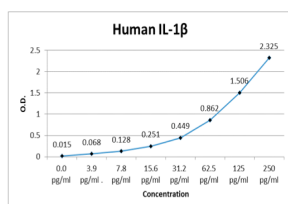
**Sensitivity:** < 0.15 pg/ml

**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	3.9 pg/ml	7.8 pg/ml	15.6 pg/ml	31.2 pg/ml	62.5 pg/ml	125 pg/ml	250 pg/ml
O.D.	0.015	0.068	0.128	0.251	0.449	0.862	1.506	2.325

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



FOR RESEARCH USE ONLY