



## Mouse Interleukin 6 ELISA Kit (2 plates)

**Catalogue No.:** BEK-2043-2P

**Description:** The mouse Interleukin 6 (IL-6) Kit is a sandwich ELISA. The capture antibody is a monoclonal mouse IL-6 antibody pre-coated onto the 96-well strip plates provided in the kit. Mouse test samples and standards of known IL-6 concentration are added to these wells and allowed to complex with the bound IL-6 antibody. A biotinylated mouse IL-6 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-6 present in the samples. The purpose of this kit is the in-vitro quantitative determination of mouse IL-6 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

**Antigen:** Interleukin 6 is a cytokine with many biological functions. Some of its roles include the final differentiation of B-cells into Ig-secreting cells, induction of meloma and plasmacytoma growth, induction of nerve cell differentiation, and in hepatocytes, induction of acute phase reactants. IL-6 is secreted and is N- and O-glycosylated post translationally.

**Other Names:** IL-6; Interleukin-6; B-cell stimulatory factor 2; BSF-2; Interferon beta-2; Hybridoma growth factor; CTL differentiation factor; CDF; IL6; IFNB2

**Accession:** P08505 IL6\_MOUSE;

**Specificity:** Mouse IL-6

**Storage:** Store at 2-8C

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

**Range:** 15.6 pg/mL - 1,000 pg/mL

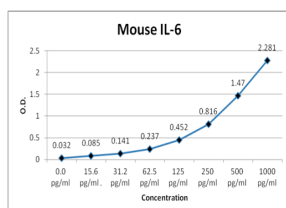
**Sensitivity:** < 1 pg/ml

**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	15.6 pg/ml	31.2 pg/ml	62.5 pg/ml	125 pg/ml	250 pg/ml	500 pg/ml	1000 pg/ml
O.D.	0.032	0.085	0.141	0.237	0.452	0.816	1.470	2.281

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



FOR RESEARCH USE ONLY