Mouse Interleukin 6 ELISA Kit (2 plates)

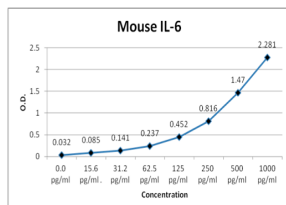|	
Catalogue No.:	BEK-2043-2P
Description:	The mouse Interleukin 6 (IL-6) Kit is a sandwich ELISA. The capture antibody is a monoclonal mouse IL-6 antibody pre-coated onto the 96-well strip plates provided in the kit. Mouse test samples and standards of known IL-6 concentration are added to these wells and allowed to complex with the bound IL-6 antibody. A biotinylated mouse IL-6Â 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 diffenrentiation factor; CDF; IL6; IFNB2
Accession:	P08505 IL6_MOUSE;
Specificity:	Mouse IL-6
Storage:	Store at 4Â°C
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.