

Human Interleukin-6 (IL-6)/Interferon beta-2 (IFN-beta-2/B-cell stimulatory factor 2 (BSF-2) ELISA Kit (2 plates)

Catalogue No.:	BEK-2042-2P
Description:	The human Interleukin 6 (IL-6) kit is a sandwich ELISA. The capture antibody is a monoclonal human IL-6 antibody pre-coated onto the 96-well strip plates provided in the kit. Human 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 human IL-6 polyclonal 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 For quantitative detection of human IL-6 in cell culture supernatants, serum, and heparin, EDTA or citrate treated plasma samples only when used as directed 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:	The standard product used in this kit is recombinant human IL-6, consisting amino acids 29-212 expressed in and purified from an E. coli expression system
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:	P05231 IL6_HUMAN;
Specificity:	Human IL-6
Storage:	Store at 2-8C
Specific References:	Wickström K, Stavréus-Evers A, Vercauteren O, Olovsson M, Edelstam G (2016) "Effect of Lignocaine on IL-6, IL-8, and MCP-1 in Peritoneal Macrophages and Endometriotic Stromal Cells" Reproductive Sciences;[Epub ahead of print]. Application: Cell culture supernatant.
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:	4.7 pg/mL - 300 pg/mL
Sensitivity:	< 0.3 pg/ml
Kit protocol:	Please refer to our online product listing for current protocol/MSDS versions.

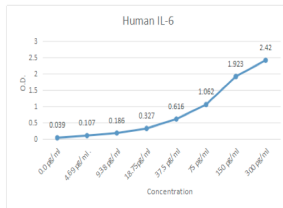
FOR RESEARCH USE ONLY

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

Concentration pg/ml	0.0	4.89	9.78	18.75	37.5	75	150	300
O.D.	0.039	0.107	0.186	0.327	0.616	1.062	1.923	2.42

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



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