

Human Interleukin 8 ELISA Kit (2 plates)

Catalogue No.: BEK-2044-2P

Description: The human Interleukin 8 (IL-8) Kit is a sandwich ELISA. The capture antibody is a monoclonal human IL-8 antibody pre-coated onto the 96-well strip plates provided in the kit. Human test samples and standards of known IL-8 concentration are added to these wells and allowed to complex with the bound IL-8 antibody. A biotinylated human IL-8 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-8 present in the samples. The purpose of this kit is the in-vitro quantitative determination of human IL-8 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: IL-8; Interleukin-8; C-X-C motif chemokine 8; Emotakin; Granulocyte chemotactic protein 1; GCP-1; Monocyte-derived neutrophil chemotactic factor; MDNCF; Monocyte-derived neutrophil-activating peptide; MONAP; Neutrophil-activating protein; NAP-1; Protein 3-10C; T-cell chemotactic factor; IL8;

Accession: P10145 IL8_HUMAN;

Specificity: Human IL-8

Storage: Store at 4°C

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.

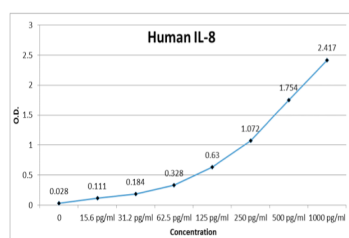
Range: 15.6 pg/ml - 1,000 pg/ml for body fluids, tissue lysates or cell culture supernates. 7.8 pg/ml - 500 pg/ml for human sera and plasma.

Sensitivity: < 1 pg/ml

Kit protocol: Please refer to our online product listing for current protocol/MSDS versions.

Concentration pg/ml	0.0 pg/ml	15.6pg/ml	31.2pg/ml	62.5pg/ml	125pg/ml	250pg/ml	500pg/ml	1000pg/ml
O.D.	0.028	0.111	0.184	0.328	0.630	1.072	1.754	2.417

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



FOR RESEARCH USE ONLY