



## 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 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.

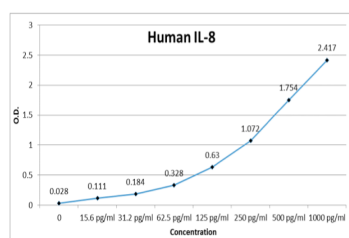
**Range:** 15.6 pg/mL - 1,000 pg/mL for body fluids, tissue lysates or cell culture supernates. 7.8 pg/mL - 500 pg/mL for human sera and plasma.

**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