

## Human Monocyte chemotactic protein 1 ELISA Kit (2 plates)

**Catalogue No.:** BEK-2059-2P

**Description:** The human Monocyte chemotactic protein 1 (MCP-1) Kit is a sandwich ELISA. The capture antibody is a monoclonal human MCP-1 antibody pre-coated onto the 96-well strip plates provided in the kit. Human test samples and standards of known MCP-1 concentration are added to these wells and allowed to complex with the bound MCP-1 antibody. A biotinylated human MCP-1 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 MCP-1 present in the samples. The purpose of this kit is the in-vitro quantitative determination of human MCP-1 in samples such as sera, plasma, tissue lysates 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:** C-C motif chemokine 2; Small-inducible cytokine A2; Monocyte chemoattractant protein 1; Monocyte chemotactic and activating factor; MCAF; Monocyte secretory protein JE; CCL2; MCP1; SCYA2;

**Accession:** P13500 CCL2\_HUMAN;

**Specificity:** Human Monocyte chemotactic protein 1

**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 pre-coated strip plates, protein standards, detection reagents, substrate buffer and precise instructions.

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

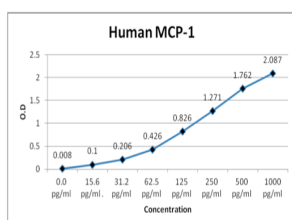
**Sensitivity:** < 1 pg/ml

**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.	0.008	0.100	0.206	0.426	0.826	1.271	1.762	2.087

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



FOR RESEARCH USE ONLY