

## Human Soluble ICAM-1 (sICAM-1) ELISA Kit (2 plates)

**Catalogue No.:** BEK-2023-2P

**Description:** The human ICAM-1 Kit is a sandwich ELISA. The capture antibody is a monoclonal human ICAM-1 antibody pre-coated onto the 96-well strip plates provided in the kit. Human test samples and standards of known ICAM-1 concentration are added to these wells and allowed to complex with the bound ICAM-1 antibody. A biotinylated human ICAM-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 ICAM-1 present in the samples. The purpose of this kit is the in-vitro quantitative determination of human ICAM-1 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:** Intercellular adhesion molecule 1 (ICAM1) is a single-pass type 1 membrane glycoprotein that belongs to the ICAM family. ICAM1 is typically expressed on endothelial cells and cells of the immune system.

**Other Names:** ICAM1; ICAM-1; Intercellular adhesion molecule 1; CD54;

**Accession:** P05362 ICAM1\_HUMAN;

**Specificity:** Human ICAM-1

**Storage:** Store at 4°C

**Specific References:** Nonaka, K. et al. (2017) Advanced glycation end-products increase IL-6 and ICAM-1 expression via RAGE, MAPK and NF- $\kappa$ B pathways in human gingival fibroblasts. J Periodontal Res. [Epub ahead of print] Application: Cell lysate

**Kit components:** The ELISA kit box contains 2 x 96 pre-coated strip plates, protein standards, detection reagents, substrate buffer and precise instructions.

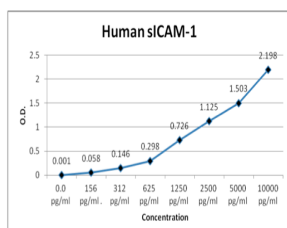
**Range:** 156 pg/ml - 10,000 pg/ml

**Sensitivity:** < 10 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	156 pg/ml	312 pg/ml	625 pg/ml	1250 pg/ml	2500 pg/ml	5000 pg/ml	10000 pg/ml
O.D.	0.001	0.058	0.146	0.298	0.726	1.125	1.503	2.198



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

FOR RESEARCH USE ONLY