

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 2-8C

Specific References: Nonaka, K. et al. (2017) Advanced glycation end-products increase IL-6 and ICAM-1 expression via RAGE, MAPK and NF- κ 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-well pre-coated strip plates, protein standards, detection reagents, substrate buffer and detailed protocols.

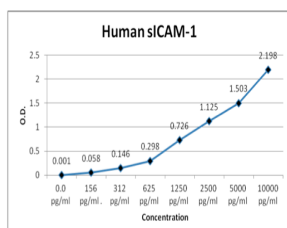
Range: 156 pg/mL - 10,000 pg/mL

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