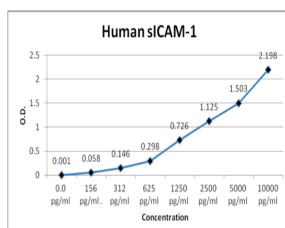


Human Soluble ICAM-1 (sICAM-1) ELISA Kit (2 plates)

- 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