

ICAM-1 / CD54 elisa kit

ICAM-1 / CD54 ELISA Kit

CATALOG #
AAA72646

PRODUCT SYNONYMS

ICAM-1 / CD54; ICAM-1 / CD54 ELISA Kit; ICAM-1; Intercellular Adhesion Molecule 1; CD54; Cluster of Differentiation 54; ICAM-1 / CD54 elisa kit

PRODUCT SPECIFICATIONS

Sequence Length	532
Samples	Mouse Serum, Plasma, Body Fluids, Tissue Homogenate Or Cell Culture Supernatants
Assay Type	Sandwich
Detection Range	15.6 pg/ml-1000 pg/ml
Sensitivity	1 pg /ml
Intra-assay Precision	Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The %CV of intra-assay is < 10%
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. The %CV of inter-assay is < 10%
Preparation and Storage	2 - 8 degree C

IMAGES

Typical Data & Standard Curve
Results of a typical standard run of a human ICAM-1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	156	313	625	1250	2500	5000	10,000
Y	OD450	0.081	0.109	0.141	0.204	0.327	0.570	1.056	2.059

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ICAM-1 / CD54 elisa kit	Intended Uses: The IBI-America mouse IL-17 ELISA has been designed for the precise analytical measurement of IL-17 concentrations in serum, plasma, body fluids, tissue homogenate or cell culture supernatants from mice. For research use only. Principle of the Assay: This kit is based on a sandwich enzyme-linked immune-sorbent assay technology. An analyte-specific polyclonal antibody is pre-coated onto 96-well plates. The biotin conjugated second antibody is used as detection antibody. During the first incubation the standards and samples react with the analyte-specific pre-coated antibody. In a second incubation the biotin conjugated detection antibody completes the sandwich. After washing with wash buffer the TMB substrate is added to visualize HRP enzymatic reaction. TMB is catalyzed by HRP to produce a blue color product that changes into yellow after adding acidic stop solution. The optical density of the yellow color is proportional to the analyte captured in plate. Read the 0.0.. absorbance at 450nm in a microtiterplate reader, and calculate the concentration of the analyte in the sample by taking into consideration the dilution factor of the sample!!Background/Introduction: Interleukin-17(IL-17 or IL-17A) originally identified as a transcript from a rodent T-cell hybridoma by Rouvier et al, in 1993. The IL-7 gene maps to human chromosome 2q31. It is the founding member of a group of cytokines called the IL-17 family, and secreted primarily by activated T cells. IL-17 shows high homology to viralIL-17 encoded by an open reading frame of the T-lymphotropic rhadinovirus Herpesvirus saimiri. All members of the IL-17 family have a similar protein structure, with four highly conserved cysteine residues critical to their 3-dimensional shape, yet they have no sequence similarity to any other known cytokines. The most notable role of IL-17 is its involvement in inducing and mediating proinflammatory responses. IL-17F has been well characterized both in vitro and in vivo, and has been shown to have a pro-inflammatory role in asthma.
Product Categories/Family for ICAM-1 / CD54 elisa kit	Cytokines & Cell Signalling; Research Assays; Assay Categories

NCBI AND UNIPROT INFORMATION

NCBI GI #	167466198
NCBI GeneID	3383
NCBI Accession #	NP_000192.2
NCBI GenBank Nucleotide #	NM_000201.2
Molecular Weight	57,825 Da
NCBI Official Full Name	intercellular adhesion molecule 1
NCBI Official Synonym Full Names	intercellular adhesion molecule 1
NCBI Official Symbol	ICAM1
NCBI Official Synonym Symbols	BB2; CD54; P3.58
NCBI Protein Information	intercellular adhesion molecule 1
UniProt Protein Name	Intercellular adhesion molecule 1
UniProt Gene Name	ICAM1
UniProt Synonym Gene Names	ICAM-1
UniProt Entry Name	ICAM1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.