

Human ICAM-2 ELISA Kit | ICAM2 elisa kit

Human ICAM-2 PicoKine ELISA Kit

CATALOG #
AAA45890

REACTIVITY
Human

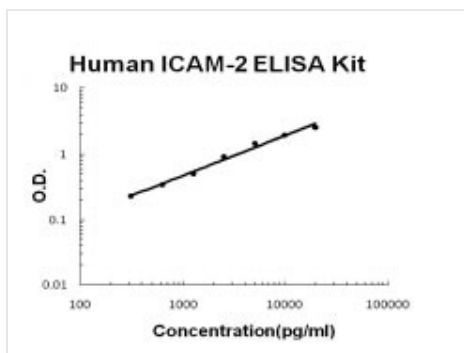
PRODUCT SYNONYMS

ICAM-2; Human ICAM-2 PicoKine ELISA Kit; Intercellular adhesion molecule 2; intercellular adhesion molecule 2; ARNT-interacting protein; Basic-helix-loop-helix-PAS protein MOP1; BB2; bHLHe78; CD54; Class E basic helix-loop-helix protein 78; HIF1; HIF1-alpha; Hypoxia inducible factor 1; alpha subunit (basic helix-loop-helix transcription factor); Hypoxia-inducible factor 1-alpha; Intercellular adhesion molecule 1; Major group rhinovirus receptor; Member of PAS protein 1; MOP1; P3.58; PAS domain-containing protein 8; PASD8; ICAM2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human ICAM2
Sequence Length	275
Samples	Cell culture supernates, serum and plasma(heparin, edta)
Detection Range	312pg/ml-20,000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess interassay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ICAM2 elisa kit	Principle of the Assay: The Picokine™ Human ICAM2 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human ICAM2 with a 96-well strip plate that is pre-coated with antibody specific for ICAM2. The detection antibody is a biotinylated antibody specific for ICAM2. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human ICAM2 with immunogen: Expression system for standard: NSO; Immunogen sequence: K25-Q223. The kit is analytically validated with ready to use reagents. To measure Human ICAM2, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human ICAM2 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human ICAM2 in the sample. Background/Introduction: Intercellular adhesion molecule 2(ICAM2), also known as CD102(Cluster of Differentiation 102) is an integral membrane protein that has 2 immunoglobulin-like domains. This gene is mapped to 17q23.3. The protein encoded by this gene is a member of the intercellular adhesion molecule(ICAM) family. All ICAM proteins are type I transmembrane glycoproteins, contain 2-9 immunoglobulin-like C2-type domains, and bind to the leukocyte adhesion LFA-1 protein. This protein may play a role in lymphocyte recirculation by blocking LFA-1-dependent cell adhesion. It mediates adhesive interactions important for antigen-specific immune response, NK-cell mediated clearance, lymphocyte recirculation, and other cellular interactions important for immune response and surveillance.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	115502404
NCBI GeneID	3384
UniProt Accession #	P13598; Q14600
Molecular Weight	30,654 Da
NCBI Official Full Name	Intercellular adhesion molecule 2
NCBI Official Synonym Full Names	intercellular adhesion molecule 2
NCBI Official Symbol	ICAM2
NCBI Official Synonym Symbols	CD102
NCBI Protein Information	intercellular adhesion molecule 2; ICAM-2
UniProt Protein Name	Intercellular adhesion molecule 2
UniProt Gene Name	ICAM2
UniProt Synonym Gene Names	ICAM-2
UniProt Entry Name	ICAM2_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.