

Human ICAM-3 ELISA Kit | ICAM3 elisa kit

Human ICAM-3 PicoKine ELISA Kit

CATALOG #
AAA45917

REACTIVITY
Human

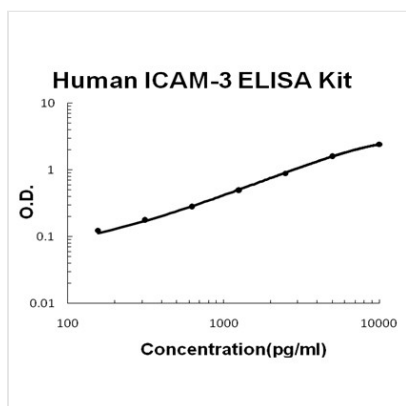
PRODUCT SYNONYMS

ICAM-3; Human ICAM-3 PicoKine ELISA Kit; Intercellular adhesion molecule 3; intercellular adhesion molecule 3; CD50; CD50 antigen; CDW50; ICAM 3; ICAM R; ICAMR; Intercellular adhesion molecule 3 precursor; ICAM3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human ICAM-3
Sequence Length	547
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/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 between assays) Three samples of known concentration were tested in separate assays to assess inter-assay 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)

Human ICAM-3 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for ICAM3 elisa kit	Principle of the assay: human ICAM-3 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for ICAM-3 has been precoated onto 96-well plates. Standards(NSO, Q30-H485, homodimer) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for ICAM-3 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human ICAM-3 amount of sample captured in plate. Background: Intercellular adhesion molecule 3 (ICAM3) also known as CD50 (Cluster of Differentiation 50), is a human gene. The protein encoded by this gene is a member of the intercellular adhesion molecule (ICAM) family. ICAM3 is closely related to ICAM1, consists of 5 immunoglobulin domains, and binds LFA1 through its 2 N-terminal domains. This protein is constitutively and abundantly expressed by all leucocytes and may be the most important ligand for LFA-1 in the initiation of the immune response. It functions not only as an adhesion molecule, but also as a potent signalling molecule. ICAM3 has been shown to interact with EZR and Moesin.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	206729872
NCBI GeneID	3385
UniProt Accession #	P32942; Q6PD68
Molecular Weight	59,541 Da
NCBI Official Full Name	Intercellular adhesion molecule 3
NCBI Official Synonym Full Names	intercellular adhesion molecule 3
NCBI Official Symbol	ICAM3
NCBI Official Synonym Symbols	CD50; CDW50; ICAM-R
NCBI Protein Information	intercellular adhesion molecule 3; ICAM-3; intercellular adhesion molecule-3
UniProt Protein Name	Intercellular adhesion molecule 3
UniProt Gene Name	ICAM3
UniProt Synonym Gene Names	ICAM-3
UniProt Entry Name	ICAM3_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.