

Human DNAM-1/CD226 ELISA Kit | CD226 elisa kit

Human DNAM-1/CD226 ELISA Kit PicoKine

CATALOG # AAA126708	REACTIVITY Human	APPLICATIONS ELISA
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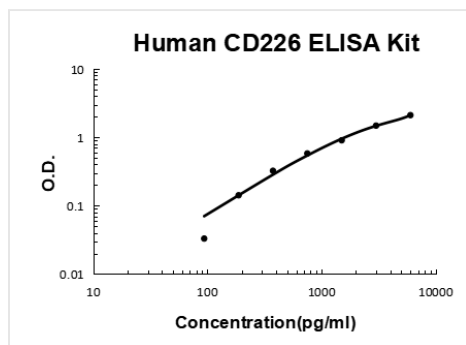
PRODUCT SYNONYMS

DNAM-1/CD226; Human DNAM-1/CD226 ELISA Kit PicoKine; CD226 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CD226
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA)
Detection Range	93.7 pg/ml - 6,000 pg/ml
Sensitivity	<5 pg/ml
Applicable Applications for CD226 elisa kit	ELISA
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 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 (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Human DNAM-1/CD226 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CD226 elisa kit	Background: CD226 (Cluster of Differentiation 226), PTA1 (outdated term, 'platelet and T cell activation antigen 1') or DNAM-1 (DNAX Accessory Molecule-1) is a protein that in humans is encoded by the CD226 gene which is located on chromosome 18q22.3. This gene encodes a glycoprotein expressed on the surface of NK cells, platelets, monocytes and a subset of T cells. It is a member of the Ig-superfamily containing 2 Ig-like domains of the V-set. The protein mediates cellular adhesion of platelets and megakaryocytic cells to vascular endothelial cells. The protein also plays a role in megakaryocytic cell maturation. Alternative splicing results in multiple transcript variants. Principle of the Assay: The Picokine™ Human CD226 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human CD226 with a 96-well strip plate that is pre-coated with antibody specific for CD226. The detection antibody is a biotinylated antibody specific for CD226. The capture antibody is a monoclonal antibody from mouse and the detection antibody is a biotinylated polyclonal antibody from goat. The kit includes Human CD226 protein as standards. To measure Human CD226, 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 unbound ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human CD226 in the sample. Read the absorbance 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 CD226 in the sample.
Product Categories/Family for CD226 elisa kit	PicoKine ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	171460997
NCBI GeneID	10666
NCBI Accession #	NP_006557.2
NCBI GenBank Nucleotide #	NM_006566.2
UniProt Accession #	Q15762; B2R818
Molecular Weight	38,614 Da
NCBI Official Full Name	CD226 antigen
NCBI Official Synonym Full Names	CD226 molecule
NCBI Official Symbol	CD226
NCBI Official Synonym Symbols	PTA1; DNAM1; DNAM-1; TLISA1
NCBI Protein Information	CD226 antigen; adhesion glycoprotein; DNAX accessory molecule 1; DNAX accessory molecule-1; platelet and T cell activation antigen 1; T lineage-specific activation antigen 1 antigen
UniProt Protein Name	CD226 antigen
UniProt Gene Name	CD226
UniProt Synonym Gene Names	DNAM1; DNAM-1
UniProt Entry Name	CD226_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.