

Mouse PECAM-1/CD31 ELISA Kit | PECAM1 elisa kit

Mouse PECAM-1/CD31 PicoKine ELISA Kit

CATALOG #
AAA45224

REACTIVITY
Mouse

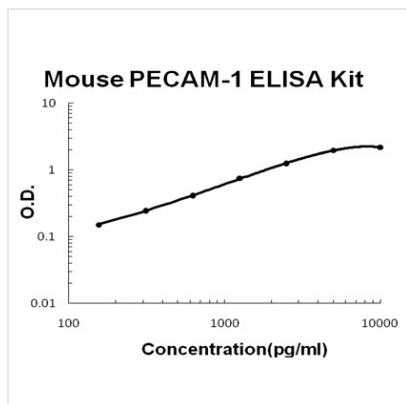
PRODUCT SYNONYMS

PECAM-1/CD31; Mouse PECAM-1/CD31 PicoKine ELISA Kit; Platelet endothelial cell adhesion molecule; platelet/endothelial cell adhesion molecule 1f; CD31; CD31 antigen; EndoCAM; GPIIA; HEC7; Leukocyte surface protein; PECA1; PECA1_HUMAN; PECAM 1; PECAM-1; Pecam1; Platelet/endothelial cell adhesion molecule; PECAM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse PECAM-1
Sequence Length	727
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)

Mouse PECAM-1/CD31 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for PECAM1 elisa kit	Principle of the assay: mouse PECAM-1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for PECAM-1 has been precoated onto 96-well plates. Standards(NSO, E18-K590) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for PECAM-1 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 mouse PECAM-1 amount of sample captured in plate. Background: PECAM-1 is an important target GP in DITP.1 Platelet/endothelial cell adhesion molecule-1 (PECAM-1) is a 130-kDmember of the Ig gene superfamily that is expressed on the surface of circulating platelets, monocytes, neutrophils, and selective T-cell subsets.2 Platelet endothelial cell adhesion molecule-1 (PECAM-1/CD31) is a member of theimmunoglobulin (Ig) superfamily that has distinctive features of an immunoreceptor based upon its genomic structure and the presence of intrinsic immunoreceptor tyrosine inhibitory motifs (ITIMs) in its ligand binding polypeptide.3 PECAM-1 has recently been shown to contain functional immunoreceptor tyrosine-based inhibitorymotifs (ITIMs) within its cytoplasmic domain, and co-ligation of PECAM-1 with the T-cell antigen receptor (TCR) results in tyrosine phosphorylation of PECAM-1, recruitment of Src homology 2 domain-containing protein tyrosine phosphatase-2 (SHP-2), and attenuation of TCR-mediated cellular signaling.4 The standard used in this kit is theproduct of gene recombinant expression (extracellular part), consisting of 563 amino acids (E28-K590) with the molecular weight of 65.5KDa. After glycosylating, its molecular weight changes to 91-100KDa.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	585658
NCBI GeneID	18613
UniProt Accession #	Q08481; Q3TES6; Q922E0; B1ARB1; B1ARB2
Molecular Weight	69,823 Da
NCBI Official Full Name	Platelet endothelial cell adhesion molecule
NCBI Official Synonym Full Names	platelet/endothelial cell adhesion molecule 1
NCBI Official Symbol	Pecam1
NCBI Official Synonym Symbols	Cd31; Pecam; C85791; PECAM-1
NCBI Protein Information	platelet endothelial cell adhesion molecule; PECAM-1/CD31
UniProt Protein Name	Platelet endothelial cell adhesion molecule
UniProt Gene Name	Pecam1
UniProt Synonym Gene Names	Pecam; Pecam-1; PECAM-1
UniProt Entry Name	PECA1_MOUSE

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.