

Mouse Platelet endothelial cell adhesion molecule-1 ELISA Kit | PECAM-1/CD31 elisa kit

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CATALOG #
AAA82787

REACTIVITY
Mouse

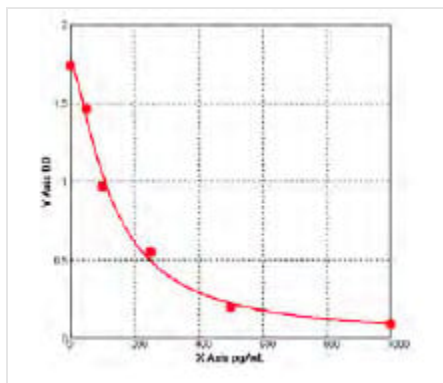
PRODUCT SYNONYMS

Platelet endothelial cell adhesion molecule-1; Mouse Platelet endothelial cell adhesion molecule-1 ELISA Kit; PECAM-1/CD31 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PECAM1. No significant cross-reactivity or interference between PECAM1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PECAM1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PECAM-1/CD31 elisa kit	Intended Uses: This PECAM1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse PECAM1. This ELISA kit for research use only! Principle of the Assay: PECAM1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PECAM1 antibody and an PECAM1-HRP conjugate. The assay sample and buffer are incubated together with PECAM1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PECAM1 concentration since PECAM1 from samples and PECAM1-HRP conjugate compete for the anti-PECAM1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PECAM1 from the sample, fewer sites are left to bind PECAM1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PECAM1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PECAM-1/CD31 elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	313760624
NCBI GeneID	5175
NCBI Accession #	NP_000433.4
NCBI GenBank Nucleotide #	NM_000442.4
Molecular Weight	81,378 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; PECA1; GPIIA; PECAM-1; endoCAM; CD31/EndoCAM
NCBI Protein Information	platelet endothelial cell adhesion molecule; CD31 antigen
UniProt Protein Name	Platelet endothelial cell adhesion molecule
UniProt Gene Name	PECAM1
UniProt Synonym Gene Names	PECAM-1
UniProt Entry Name	PECA1_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.

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Online datasheet: <https://stage.aaabiotech.com/pecam-1-cd31-mouse-elisa-kits/platelet-endothelial-cell-adhesion-molecule-1/82787>