

Human Platelet Endothelial Cell Adhesion Molecule (PECAM1) ELISA Kit | PECAM1 elisa kit

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CATALOG #
AAA331425

REACTIVITY
Human

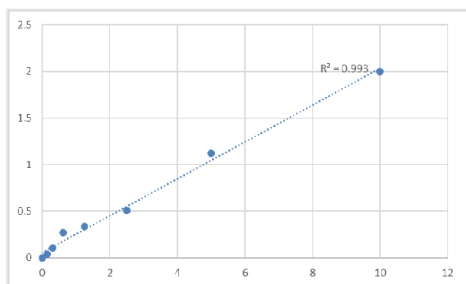
PRODUCT SYNONYMS

Platelet Endothelial Cell Adhesion Molecule (PECAM1); Human Platelet Endothelial Cell Adhesion Molecule (PECAM1) ELISA Kit; PECAM1; CD31; FLJ58394; PECAM-1; CD31 antigen; CD31/EndoCAM; adhesion molecule; PECAM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Platelet endothelial cell adhesion molecule (PECAM1) ELISA Kit has high sensitivity and excellent specificity for detection of Human PECAM1. No significant cross-reactivity or interference between Human PECAM1 and analogues was observed.
Sequence Length	739
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Platelet endothelial cell adhesion molecule (PECAM1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PECAM1 elisa kit	Description: This Human Platelet endothelial cell adhesion molecule (PECAM1) ELISA Kit employs a two-site sandwich ELISA to quantitate PECAM1 in samples. An antibody specific for PECAM1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PECAM1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PECAM1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PECAM1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: CD31 is a cluster of differentiation molecule. It is also called PECAM-1 for platelet endothelial cell adhesion molecule. It plays a key role in removing aged neutrophils from the body. Macrophages palpate any passing neutrophil and have to decide whether the cell is healthy or has to be ingested. In humans, the gene encoding CD-31 is found on chromosome 17. If a neutrophil is dying, it will have phosphatidyl serine in its plasma membrane. Both the neutrophil and the macrophage express CD-31 on their membranes, and, during the testing process, these CD-31 molecules bind the two cells together. If the neutrophil is healthy, it will now fire a signal to the macrophage, and the CD-31 molecules will detach. The neutrophil is now free.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1709624
NCBI GeneID	282303
UniProt Accession #	P51866
NCBI Official Full Name	Platelet endothelial cell adhesion molecule
NCBI Official Synonym Full Names	platelet and endothelial cell adhesion molecule 1
NCBI Official Symbol	PECAM1
NCBI Protein Information	platelet endothelial cell adhesion molecule
UniProt Protein Name	Platelet endothelial cell adhesion molecule
UniProt Gene Name	PECAM1
UniProt Synonym Gene Names	PECAM-1

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.