

Human PECAM1 Antibody Pair Set

Catalog No. E-KAB-0706**Applications**

ELISA

Synonyms

CD31;Platelet And Endothelial Cell Adhesion Molecule 1;EndoCAM, PECA1

Kit components & Storage

Title	Specifications	Storage
Human PECAM1 Capture Antibody	1 vial, 100 µg	Store at -20℃. Avoid freeze / thaw cycles.
Human PECAM1 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20℃. Avoid freeze / thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

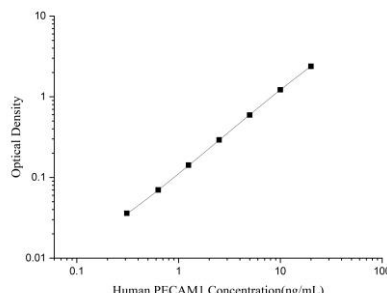
Product Information

Items		Characteristic (E-KAB-0706)	
		Human PECAM1 Capture Antibody	Human PECAM1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human PECAM1 protein	Recombinant Human PECAM1 protein
	Swissprot	P16284	
Product details	Reactivity	Human	Human
	Host	Mouse	Mouse
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Protein A	Protein A
	Specificity	Detects Human PECAM1 in ELISAs.	

For Research Use Only

Applications

Human PECAM1 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images														
ELISA Capture	0.5-4ug/mL	Human PECAM1 Capture Antibody	 <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Human PECAM1 Concentration (ng/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>0.5</td><td>0.05</td></tr><tr><td>1</td><td>0.1</td></tr><tr><td>2</td><td>0.2</td></tr><tr><td>5</td><td>0.5</td></tr><tr><td>10</td><td>1.0</td></tr><tr><td>20</td><td>2.0</td></tr></tbody></table>	Human PECAM1 Concentration (ng/mL)	Optical Density	0.5	0.05	1	0.1	2	0.2	5	0.5	10	1.0	20	2.0
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ELISA Detection	1:1000-1:10000	Human PECAM1 Detection Antibody (Biotin)															

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

CD31 is a 130-140 kD glycoprotein, also known as platelet endothelial cell adhesion molecule (PECAM-1) and EndoCAM. It is a member of the Ig superfamily, expressed on endothelial cells, platelets, granulocytes, monocytes/macrophages, dendritic cells, and T and B cell subsets, and is critical for cell-cell interactions. The primary ligands for CD31 have been reported to be CD38 and the vitronectin receptor (α β 3 integrin, CD51/CD61). Other reported functions of CD31 are neutrophil emigration to sites of inflammation and angiogenesis.