



Rat soluble platelet endothelial cell adhesion molecule 1,sPECAM-1 ELISA Kit

Product Code	CSB-E08134r
Abbreviation	PECAM1
Protein Biological Process 1	Cell Adhesion
Target Name	platelet/endothelial cell adhesion molecule
Uniprot No.	Q3SWT0
Alias	CD31, FLJ58394, PECAM-1, CD31 antigen CD31/EndoCAM PECAM-1, CD31/EndoCAM adhesion molecule
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Protein Biological Process 3	Cell adhesion
Sample Types	serum, plasma, tissue homogenates
Detection Range	3.12 ng/mL-200 ng/mL
Sensitivity	0.78 ng/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Cardiovascular
Gene Names	Pecam1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Rat PECAM1 ELISA Kit was designed for the quantitative measurement of Rat PECAM1 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 3.12 ng/mL-200 ng/mL and the sensitivity is 0.78 ng/mL.
Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%<10%</p>



Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of rat sPECAM-1 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
	Average %	92
1:1	Range %	86-95
	Average %	102
1:2	Range %	97-107
	Average %	91
1:4	Range %	85-97
	Average %	97
1:8	Range %	91-103

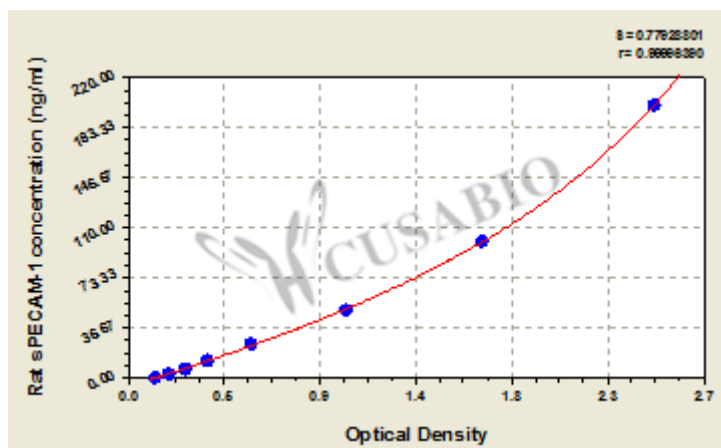
Recovery

The recovery of rat sPECAM-1 spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	95	89-98
EDTA plasma (n=4)	97	90-100

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



ng/ml	OD1	OD2	Average	Corrected
200	2.468	2.554	2.511	2.372
100	1.656	1.732	1.694	1.555
50	1.033	1.067	1.050	0.911
25	0.591	0.611	0.601	0.462
12.5	0.380	0.398	0.389	0.250
6.25	0.278	0.286	0.282	0.143
3.12	0.203	0.207	0.205	0.066
0	0.138	0.139	0.139	?

Msds

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