



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

<b>Product Code</b>	CSB-E08135m
<b>Abbreviation</b>	PECAM1
<b>Protein Biological Process 1</b>	Cell Adhesion
<b>Target Name</b>	platelet/endothelial cell adhesion molecule
<b>Uniprot No.</b>	Q08481
<b>Alias</b>	CD31, FLJ58394, PECAM-1, CD31 antigen CD31/EndoCAM PECAM-1, CD31/EndoCAM adhesion molecule
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Protein Biological Process 3</b>	Cell adhesion
<b>Sample Types</b>	serum, plasma
<b>Detection Range</b>	3.12 pg/mL-200 pg/mL
<b>Sensitivity</b>	0.78 pg/mL
<b>Assay Time</b>	1-5h
<b>Sample Volume</b>	50-100ul
<b>Detection Wavelength</b>	450 nm
<b>Lead Time</b>	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
<b>Research Area</b>	Cardiovascular
<b>Gene Names</b>	Pecam1
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich
<b>Description</b>	This Mouse PECAM1 ELISA Kit was designed for the quantitative measurement of Mouse PECAM1 protein in serum, plasma. It is a Sandwich ELISA kit, its detection range is 3.12 pg/mL-200 pg/mL and the sensitivity is 0.78 pg/mL.
<b>Product Precision</b>	<p><b>Intra-assay Precision (Precision within an assay): CV%&lt;8%</b>  Three samples of known concentration were tested twenty times on one plate to assess.</p> <p><b>Inter-assay Precision (Precision between assays): CV%&lt;10%</b></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 mouse 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 %	87
1:100	Range %	82-91
	Average %	96
1:200	Range %	92-100
	Average %	104
1:400	Range %	100-110
	Average %	90
1:800	Range %	85-94

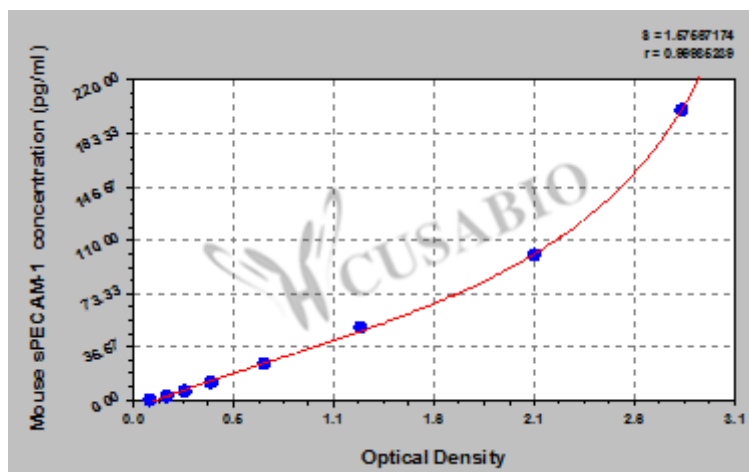
### Recovery

The recovery of mouse 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)	92	88-96
EDTA plasma (n=4)	84	80-88

### Typical

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



pg/ml	OD1	OD2	Average	Corrected
200	2.923	2.814	2.869	2.771
100	2.059	2.148	2.104	2.006
50	1.239	1.159	1.199	1.101
25	0.687	0.697	0.692	0.594
12.5	0.419	0.405	0.412	0.314
6.25	0.281	0.273	0.277	0.179
3.12	0.184	0.186	0.185	0.087
0	0.095	0.101	0.098	?

## Msds

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