



Pig Vascular cell adhesion molecule 1,VCAM-1 ELISA Kit

Product Code	CSB-E06825p														
Abbreviation	VCAM1														
Target Name	Vascular cell adhesion molecule 1,VCAM-1														
Product Type	ELISA Kit														
Immunogen Species	Sus scrofa (Pig)														
Sample Types	serum, plasma, tissue homogenates														
Detection Range	15.6ng/mL-1000ng/mL														
Sensitivity	3.9 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	Signal Transduction														
Tag Info	quantitative														
Protein Description	Sandwich														
Description	This Pig VCAM1 ELISA Kit was designed for the quantitative measurement of Pig VCAM1 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 15.6ng/mL-1000ng/mL and the sensitivity is 3.9 ng/mL.														
Product Precision	Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV%<10% 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 pig VCAM-1 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay. <table><tr><td></td><td>Sample</td><td>Serum(n=4)</td></tr><tr><td rowspan="2">1:1</td><td>Average %</td><td>92</td></tr><tr><td>Range %</td><td>85-94</td></tr><tr><td rowspan="2">1:2</td><td>Average %</td><td>94</td></tr><tr><td>Range %</td><td>87-98</td></tr></table>			Sample	Serum(n=4)	1:1	Average %	92	Range %	85-94	1:2	Average %	94	Range %	87-98
	Sample	Serum(n=4)													
1:1	Average %	92													
	Range %	85-94													
1:2	Average %	94													
	Range %	87-98													



1:4	Average %	103
	Range %	97-107
1:8	Average %	101
	Range %	95-104

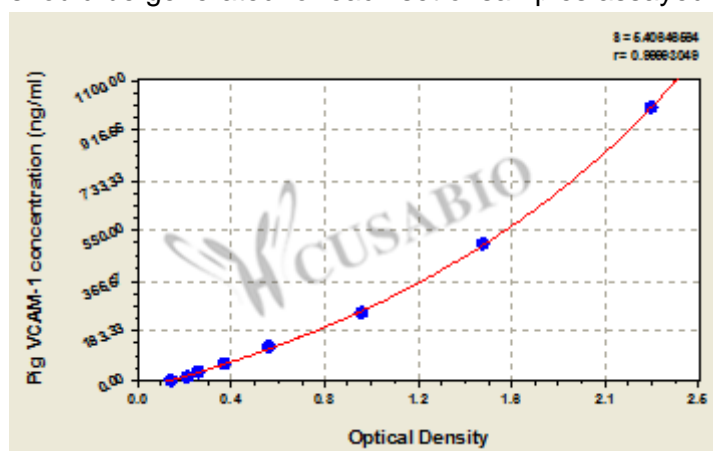
Recovery

The recovery of pig VCAM-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)	94	90-98
EDTA plasma (n=4)	89	83-94

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
1000	2.335	2.178	2.257	2.100
500	1.574	1.475	1.525	1.368
250	1.007	0.982	0.995	0.838
125	0.591	0.586	0.589	0.432
62.5	0.386	0.394	0.390	0.233
31.2	0.278	0.282	0.280	0.123
15.6	0.228	0.225	0.227	0.070
0	0.158	0.156	0.157	

Msds

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