



Pig endothelin 1,ET-1 ELISA Kit

Product Code	CSB-E06806p
Abbreviation	EDN1
Target Name	endothelin 1
Uniprot No.	P09558
Alias	ET1, HDLCQ7, preproendothelin 1
Product Type	ELISA Kit
Immunogen Species	Sus scrofa (Pig)
Sample Types	serum, plasma, tissue homogenates
Detection Range	3.12 pg/mL-200pg/mL
Sensitivity	0.78 pg/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	Cancer
Gene Names	EDN1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Pig EDN1 ELISA Kit was designed for the quantitative measurement of Pig EDN1 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 3.12 pg/mL-200pg/mL and the sensitivity is 0.78 pg/mL.
Target Details	This protein is proteolytically processed to release a secreted peptide termed endothelin 1. This peptide is a potent vasoconstrictor and is produced by vascular endothelial cells. Endothelin 1 also can affect the central nervous system. Two transcript variants encoding different isoforms have been found for this gene.
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 ET-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 %	100
1:1	Range %	94-105
	Average %	97
1:2	Range %	92-101
	Average %	89
1:4	Range %	85-93
	Average %	95
1:8	Range %	91-101

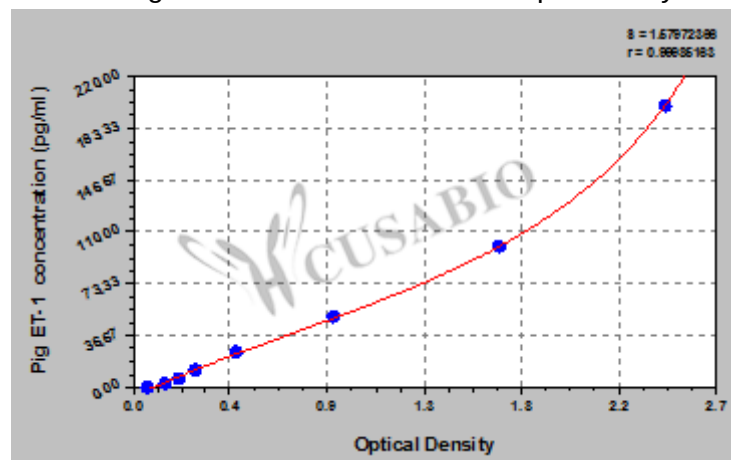
Recovery

The recovery of pig ET-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)	90	85-94
EDTA plasma (n=4)	84	80-89

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	2.401	2.449	2.425	2.354
100	1.689	1.661	1.675	1.604
50	0.925	0.912	0.919	0.848
25	0.491	0.459	0.475	0.404
12.5	0.302	0.286	0.294	0.223
6.25	0.221	0.213	0.217	0.146
3.12	0.158	0.154	0.156	0.085
0	0.068	0.074	0.071	?

Msds

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