Pig Syndecan-1/CD138(SDC1) ELISA Kit

Product Code	CSB-E17413p
Abbreviation	SDC1
Target Name	Syndecan-1/CD138(SDC1)
Uniprot No.	K7GNF5
Alias	CD138, SDC, SYND1, syndecan, CD138 antigen|heparan sulfate proteoglycan fibroblast growth factor receptor|syndecan proteoglycan 1
Product Type	ELISA Kit
Immunogen Species	Sus scrofa (Pig)
Sample Types	serum, plasma, tissue homogenates
Detection Range	5 ng/mL-320 ng/mL
Sensitivity	1.25 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 SDC1 ELISA Kit was designed for the quantitative measurement of Pig SDC1 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 5 ng/mL-320 ng/mL and the sensitivity is 1.25 ng/mL .
Target Details	This protein is a transmembrane (type I) heparan sulfate proteoglycan and is a member of the syndecan proteoglycan family. The syndecans mediate cell binding, cell signaling, and cytoskeletal organization and syndecan receptors are required for internalization of the HIV-1 tat protein. The syndecan-1 protein functions as an integral membrane protein and participates in cell proliferation, cell migration and cell-matrix interactions via its receptor for extracellular matrix proteins. Altered syndecan-1 expression has been detected in several different tumor types. While several transcript variants may exist for this gene, the full-length natures of only two have been described to date. These two represent the major variants of this gene and encode the same protein.
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 SDC1 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)
1:1	Average %	85
	Range %	80-90
1:2	Average %	93
	Range %	87-102
1:4	Average %	97
	Range %	92-102
1:8	Average %	91
	Range %	80-98

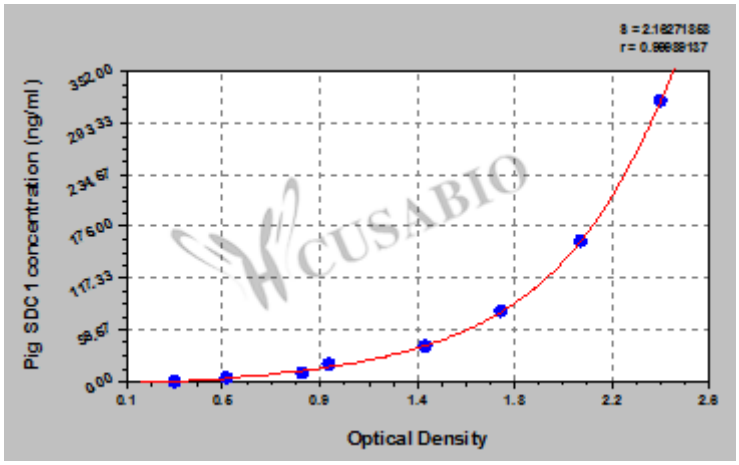
Recovery

The recovery of pig SDC1 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)	93	81-98
EDTA plasma (n=4)	98	90-105

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
320	2.413	2.395	2.404	2.094
160	2.114	2.004	2.059	1.749
80	1.762	1.674	1.718	1.408
40	1.434	1.339	1.387	1.077
20	1.002	0.953	0.978	0.668
10	0.866	0.859	0.863	0.553
5	0.535	0.529	0.532	0.222
0	0.322	0.297	0.310	?

Msds

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