



# Human syndecan 4 (SDC4) ELISA kit

<b>Product Code</b>	CSB-EL020891HU
<b>Abbreviation</b>	SDC4
<b>Target Name</b>	syndecan 4
<b>Uniprot No.</b>	P31431
<b>Alias</b>	MGC22217, SYND4, amphiglycan ryudocan amphiglycan ryudocan core protein syndecan 4 (amphiglycan, ryudocan) syndecan proteoglycan 4
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Sample Types</b>	serum, plasma, cell lysates, tissue homogenates
<b>Detection Range</b>	0.625 ng/mL-40 ng/mL
<b>Sensitivity</b>	0.156 ng/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>	Signal Transduction
<b>Gene Names</b>	SDC4
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich
<b>Description</b>	This Human SDC4 ELISA Kit was designed for the quantitative measurement of Human SDC4 protein in serum, plasma, cell lysates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.625 ng/mL-40 ng/mL and the sensitivity is 0.156 ng/mL.
<b>Target Details</b>	This protein is a transmembrane (type I) heparan sulfate proteoglycan that functions as a receptor in intracellular signaling. The encoded protein is found as a homodimer and is a member of the syndecan proteoglycan family. This gene is found on chromosome 20, while a pseudogene has been found on chromosome 22.
<b>Product Precision</b>	<p>Intra-assay Precision (Precision within an assay): CV%&lt;8%</p> <p>Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%&lt;10%</p> <p>Three samples of known concentration were tested in twenty assays to assess.</p>



## Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of human SDC4 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 %	90
	Range %	85-95
1:2	Average %	92
	Range %	90-96
1:4	Average %	93
	Range %	85-100
1:8	Average %	94
	Range %	86-98

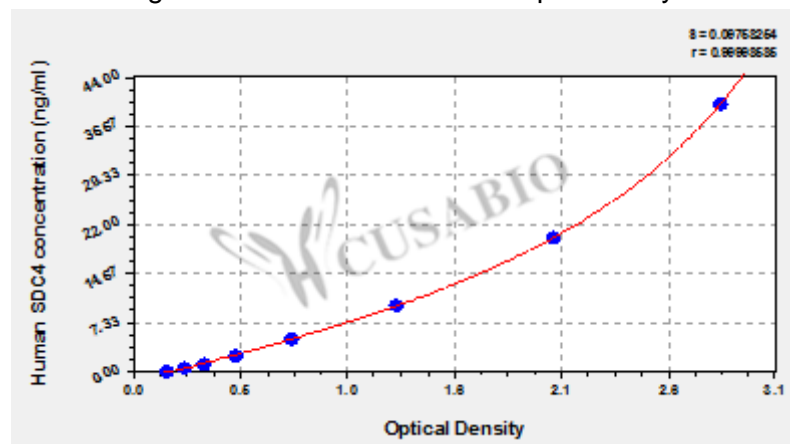
## Recovery

The recovery of human SDC4 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	91-99
EDTA plasma (n=4)	94	88-100

## 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
40	2.859	2.783	2.821	2.647
20	2.037	2.005	2.021	1.847
10	1.245	1.304	1.275	1.101
5	0.765	0.782	0.774	0.600
2.5	0.501	0.511	0.506	0.332
1.25	0.349	0.353	0.351	0.177
0.625	0.261	0.257	0.259	0.085
0	0.175	0.172	0.174	

## Msds

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