Human Serglycin(SRGN) ELISA kit

Product Code	CSB-EL022664HU
Abbreviation	SRGN
Protein Biological Process 1	Apoptosis/Autophagy
Target Name	serglycin
Uniprot No.	P10124
Alias	FLJ12930, MGC9289, PPG, PRG, PRG1, hematopoetic proteoglycan core peptide|platelet proteoglycan protein core|proteoglycan 1, secretory granule|proteoglycan protein core for mast cell secretory granu
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Apoptosis
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.312 ng/mL-20 ng/mL
Sensitivity	0.078 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	Cell Biology
Gene Names	SRGN
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human SRGN ELISA Kit was designed for the quantitative measurement of Human SRGN protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.312 ng/mL-20 ng/mL and the sensitivity is 0.078 ng/mL.
Target Details	This gene encodes a protein best known as a hematopoietic cell granule proteoglycan. Proteoglycans stored in the secretory granules of many hematopoietic cells also contain a protease-resistant peptide core, which may be important for neutralizing hydrolytic enzymes. This encoded protein was found to be associated with the macromolecular complex of granzymes and

perforin, which may serve as a mediator of granule-mediated apoptosis.

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 human SRGN 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 %	107
	Range %	103-112
1:2	Average %	97
	Range %	93-102
1:4	Average %	94
	Range %	88-98
1:8	Average %	96
	Range %	92-99

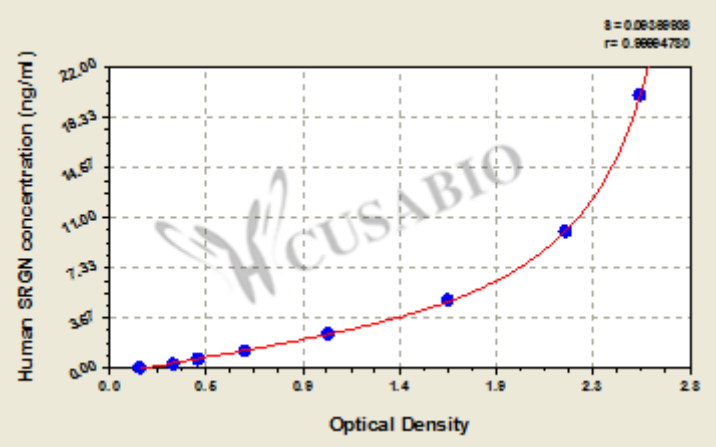
Recovery

The recovery of human SRGN 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	88-97
EDTA plasma (n=4)	87	82-91

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
20	2.612	2.535	2.574	2.414
10	2.265	2.171	2.218	2.058
5	1.667	1.632	1.650	1.490
2.5	1.078	1.064	1.071	0.911
1.25	0.675	0.669	0.672	0.512
0.625	0.443	0.438	0.441	0.281
0.312	0.328	0.323	0.326	0.166
0	0.161	0.159	0.160	?

Msds

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