



Human Kallistatin(SERPINA4) ELISA kit

Product Code	CSB-EL021060HU
Abbreviation	SERPINA4
Target Name	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 4
Uniprot No.	P29622
Alias	KAL, KLST, KST, PI4, kallistatin, protease inhibitor 4 (kallistatin) serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 4
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.156 ng/mL-10 ng/mL
Sensitivity	0.039 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	Others
Gene Names	SERPINA4
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human SERPINA4 ELISA Kit was designed for the quantitative measurement of Human SERPINA4 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.156 ng/mL-10 ng/mL and the sensitivity is 0.039 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 human SERPINA4 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)
1:5000	Average %	92
	Range %	87-98
1:10000	Average %	103
	Range %	98-108
1:20000	Average %	92
	Range %	90-98
1:40000	Average %	94
	Range %	92-96

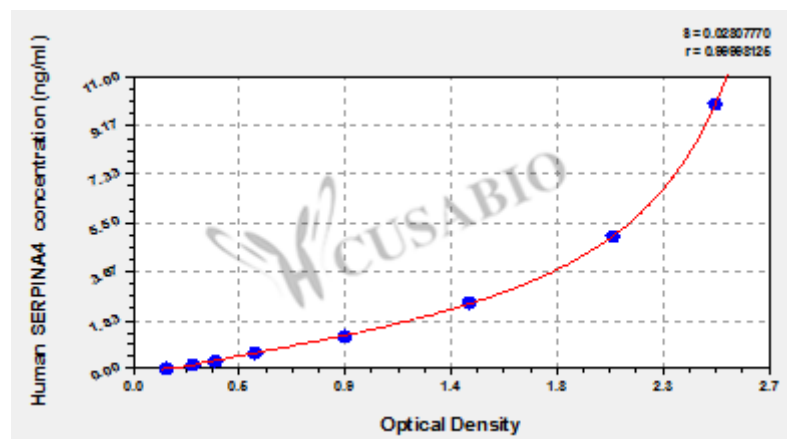
Recovery

The recovery of human SERPINA4 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)	99	93-104
EDTA plasma (n=4)	94	89-97

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
10	2.432	2.565	2.499	2.337
5	2.056	2.066	2.061	1.899
2.5	1.442	1.457	1.450	1.288
1.25	0.889	0.956	0.923	0.761
0.625	0.535	0.544	0.540	0.378
0.312	0.355	0.375	0.365	0.203
0.156	0.268	0.274	0.271	0.109
0	0.168	0.155	0.162	?

Msds

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