



Human heparin cofactor ?,HC?ELISA Kit

Product Code	CSB-E09492h
Abbreviation	SERPIND1
Protein Biological Process 1	Blood Coagulation
Target Name	serpin peptidase inhibitor, clade D (heparin cofactor), member 1
Uniprot No.	P05546
Alias	D22S673, HC2, HCF2, HCII, HLS2, LS2, OTTHUMP00000198451 heparin cofactor II leuserpin 2 serine (or cysteine) proteinase inhibitor, clade D (heparin cofactor), member 1
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Blood coagulation
Sample Types	serum, plasma, tissue homogenates
Detection Range	1.25 pg/mL-80 pg/mL
Sensitivity	0.312 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	Others
Gene Names	SERPIND1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human SERPIND1 ELISA Kit was designed for the quantitative measurement of Human SERPIND1 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 1.25 pg/mL-80 pg/mL and the sensitivity is 0.312 pg/mL.
Target Details	The product encoded by this gene is a serine proteinase inhibitor which rapidly inhibits thrombin in the presence of dermatan sulfate or heparin. The gene contains five exons and four introns. This protein shares homology with antithrombin III and other members of the alpha 1-antitrypsin superfamily. Mutations in this gene are associated with heparin cofactor II deficiency.



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 HC? 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)
1:100	Average %	92
	Range %	86-98
1:200	Average %	95
	Range %	91-100
1:400	Average %	98
	Range %	90-105
1:800	Average %	95
	Range %	89-100

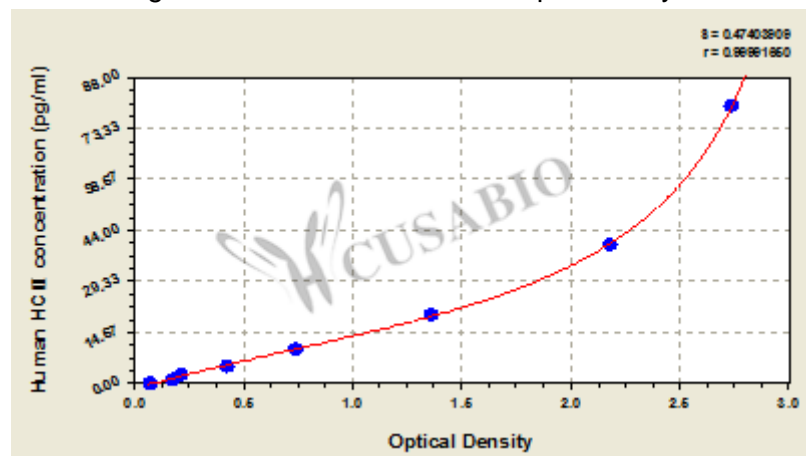
Recovery

The recovery of human HC?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)	96	92-102
EDTA plasma (n=4)	95	90-100

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
80	2.718	2.785	2.752	2.668
40	2.239	2.143	2.191	2.107
20	1.361	1.387	1.374	1.290
10	0.758	0.742	0.750	0.666
5	0.452	0.418	0.435	0.351
2.5	0.227	0.219	0.223	0.139
1.25	0.184	0.188	0.186	0.102
0	0.085	0.083	0.084	?

**Msds**

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