



# Human Plasminogen activator inhibitor 2(SERPINB2) ELISA kit

<b>Product Code</b>	CSB-EL021070HU
<b>Abbreviation</b>	SERPINB2
<b>Protein Biological Process 1</b>	Blood Coagulation
<b>Target Name</b>	serpin peptidase inhibitor, clade B (ovalbumin), member 2
<b>Uniprot No.</b>	P05120
<b>Alias</b>	HsT1201, PAI, PAI-2, PAI2, PLANH2, plasminogen activator inhibitor 2 plasminogen activator inhibitor, type II (arginine-serpin) serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Protein Biological Process 3</b>	Plasminogen activation
<b>Sample Types</b>	serum, plasma, cell culture supernates, tissue homogenates, cell lysates
<b>Detection Range</b>	15.6 pg/mL-1000 pg/mL
<b>Sensitivity</b>	3.9 pg/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>	Cell Biology
<b>Gene Names</b>	SERPINB2
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich
<b>Description</b>	This Human SERPINB2 ELISA Kit was designed for the quantitative measurement of Human SERPINB2 protein in serum, plasma, cell culture supernates, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 15.6 pg/mL-1000 pg/mL and the sensitivity is 3.9 pg/mL.
<b>Product Precision</b>	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 SERPINB2 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)
1:200	Average %	96
	Range %	90-102
1:400	Average %	98
	Range %	93-104
1:800	Average %	95
	Range %	89-99
1:1600	Average %	88
	Range %	84-92

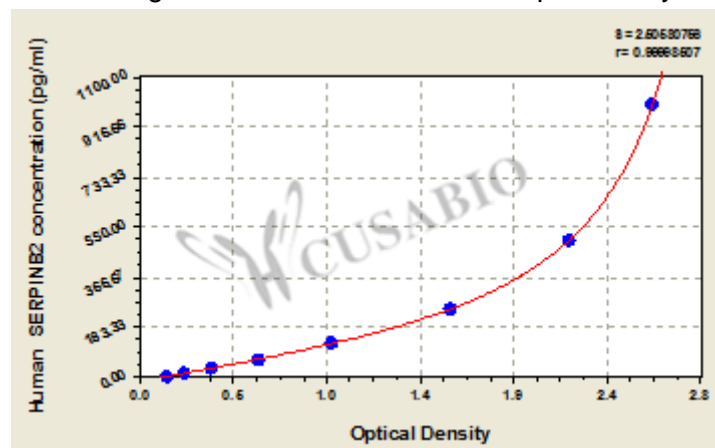
## Recovery

The recovery of human SERPINB2 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	95-103
EDTA plasma (n=4)	86	82-92

## 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
1000	2.687	2.521	2.604	2.455
500	2.126	2.235	2.181	2.032
250	1.586	1.573	1.580	1.431
125	0.972	0.995	0.984	0.835
62.5	0.617	0.606	0.612	0.463
31.25	0.378	0.365	0.372	0.223
15.6	0.232	0.237	0.235	0.086
0	0.149	0.148	0.149	

## Msds

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