



Human inter-alpha-trypsin inhibitor heavy chain H1(ITIH1) ELISA Kit

Product Code	CSB-E13743h
Abbreviation	ITIH1
Target Name	inter-alpha (globulin) inhibitor H1
Uniprot No.	P19827
Alias	H1P, IATIH, IGHEP1, ITIH, MGC126415, SHAP, inter-alpha (globulin) inhibitor, H1 polypeptide inter-alpha-trypsin inhibitor complex component III inter-alpha-trypsin inhibitor heavy chain H1 serum-der
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, cell culture supernates, urine, tissue homogenates
Detection Range	15.6 ng/mL-1000 ng/mL
Sensitivity	3.9 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	ITIH1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human ITIH1 ELISA Kit was designed for the quantitative measurement of Human ITIH1 protein in serum, plasma, cell culture supernates, urine, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 15.6 ng/mL-1000 ng/mL and the sensitivity is 3.9 ng/mL .
Target Details	This protein is the heavy chain of a serine protease inhibitor that may serve to carry hyaluronan in plasma. This gene is part of a cluster of similar genes on chromosome 3. Multiple transcript variants encoding different isoforms have been found for this gene.
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 ITIH1 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 %	86
	Range %	80-92
1:200	Average %	97
	Range %	91-105
1:400	Average %	99
	Range %	92-110
1:800	Average %	97
	Range %	86-98

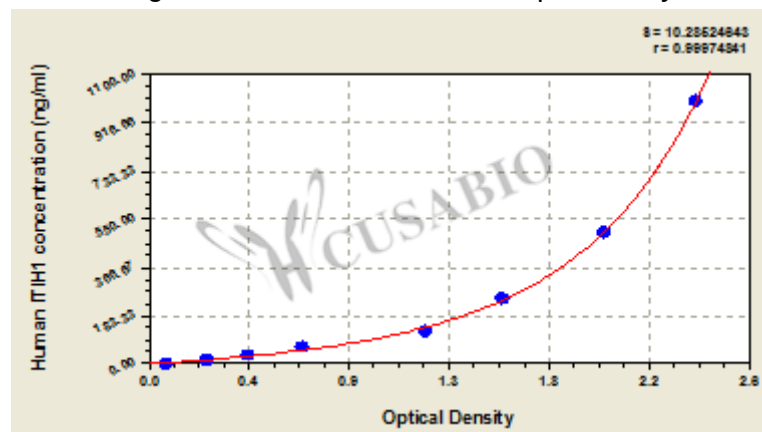
Recovery

The recovery of human ITIH1 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	89-98
EDTA plasma (n=4)	97	90-104

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
1000	2.400	2.418	2.409	2.328
500	2.088	1.999	2.004	1.923
250	1.562	1.555	1.559	1.478
125	1.228	1.211	1.220	1.139
62.5	0.689	0.665	0.677	0.596
31.25	0.452	0.436	0.444	0.363
15.6	0.270	0.254	0.262	0.181
0	0.084	0.078	0.081	?

Msds

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