



Human Inter-alpha-trypsin inhibitor heavy chain H2(ITIH2) ELISA kit

Product Code	CSB-EL011895HU
Abbreviation	ITIH2
Target Name	inter-alpha (globulin) inhibitor H2
Uniprot No.	P19823
Alias	RP11-264C14.2, H2P, SHAP, ITI heavy chain H2 inter-alpha (globulin) inhibitor, H2 polypeptide inter-alpha globulin inhibitor H2 polypeptide inter-alpha-inhibitor heavy chain 2 inter-alpha-trypsin in
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	3.12 µg/mL-200 µg/mL
Sensitivity	0.78 µg/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	ITIH2
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human ITIH2 ELISA Kit was designed for the quantitative measurement of Human ITIH2 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 3.12 µg/mL-200 µg/mL and the sensitivity is 0.78 µg/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 ITIH2 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)
1:5	Average %	91
	Range %	86-94
1:10	Average %	97
	Range %	90-104
1:20	Average %	101
	Range %	96-107
1:40	Average %	89
	Range %	84-94

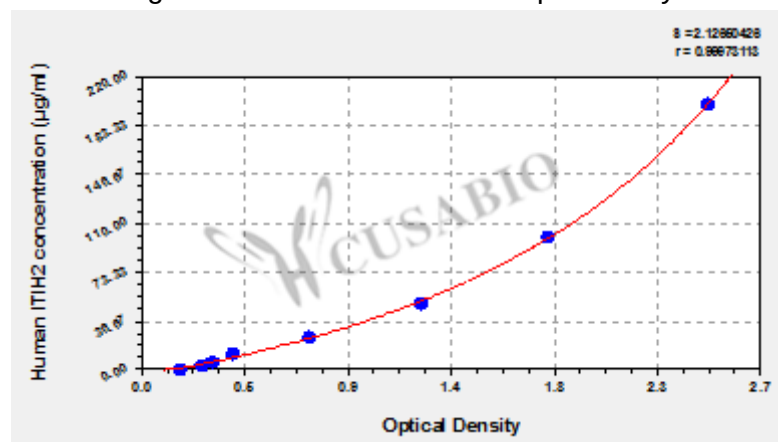
Recovery

The recovery of human ITIH2 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)	90	88-95
EDTA plasma (n=4)	102	97-107

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



µg/ml	OD1	OD2	Average	Corrected
200	2.439	2.555	2.497	2.312
100	1.867	1.728	1.798	1.613
50	1.221	1.265	1.243	1.058
25	0.751	0.757	0.754	0.569
12.5	0.412	0.422	0.417	0.232
6.25	0.318	0.336	0.327	0.142
3.12	0.272	0.281	0.277	0.092
0	0.183	0.186	0.185	

Msds

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