



Human Inter-alpha-trypsin inhibitor heavy chain H3(ITIH3) ELISA kit

Product Code	CSB-EL011896HU
Abbreviation	ITIH3
Target Name	inter-alpha (globulin) inhibitor H3
Uniprot No.	Q06033
Alias	H3P, inter-alpha (globulin) inhibitor, H3 polypeptide inter-alpha-trypsin inhibitor heavy chain H3 pre-alpha (globulin) inhibitor, H3 polypeptide
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	78.13 ng/mL-5000 ng/mL
Sensitivity	19.53 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	ITIH3
Tag Info	quantitative
Protein Description	Competitive
Description	This Human ITIH3 ELISA Kit was designed for the quantitative measurement of Human ITIH3 protein in serum, plasma, tissue homogenates. It is a Competitive ELISA kit, its detection range is 78.13 ng/mL-5000 ng/mL and the sensitivity is 19.53 pg/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 TIH3 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)
1:20	Average %	92
	Range %	86-99
1:40	Average %	97
	Range %	92-103
1:80	Average %	86
	Range %	80-89
1:160	Average %	90
	Range %	83-99

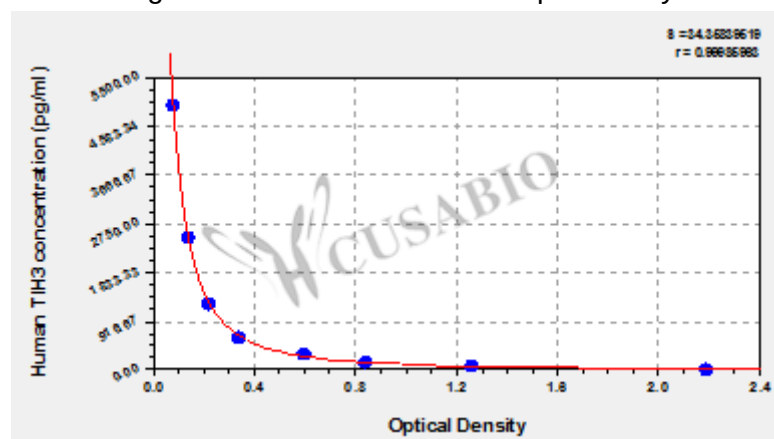
Recovery

The recovery of human TIH3 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	87-95
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
5000	0.083	0.085	0.084
2500	0.139	0.147	0.143
1250	0.223	0.220	0.222
625	0.329	0.347	0.338
312.5	0.572	0.614	0.593
156.3	0.814	0.849	0.832
78.13	1.228	1.259	1.244
0	2.081	2.226	2.154