



Human B7-H4 ELISA Kit

Product Code	CSB-E15013h
Abbreviation	VTCN1
Protein Biological Process 1	Immunity
Target Name	V-set domain containing T cell activation inhibitor 1
Uniprot No.	Q7Z7D3
Alias	B7-H4, B7H4, B7S1, B7X, B7h.5, FLJ22418, PRO1291, RP11-229A19.4, VCTN1, T cell costimulatory molecule B7x immune costimulatory protein B7-H4
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Adaptive immunity
Sample Types	serum, plasma, cell culture supernates, tissue homogenates
Detection Range	7.8 ng/mL-500 ng/mL
Sensitivity	1.95 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	Immunology
Gene Names	VTCN1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human VTCN1 ELISA Kit was designed for the quantitative measurement of Human VTCN1 protein in serum, plasma, cell culture supernates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 7.8 ng/mL-500 ng/mL and the sensitivity is 1.95 ng/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 B7-H4 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)
1:1	Average %	95
	Range %	92-100
1:2	Average %	90
	Range %	82-97
1:4	Average %	92
	Range %	88-96
1:8	Average %	87
	Range %	82-98

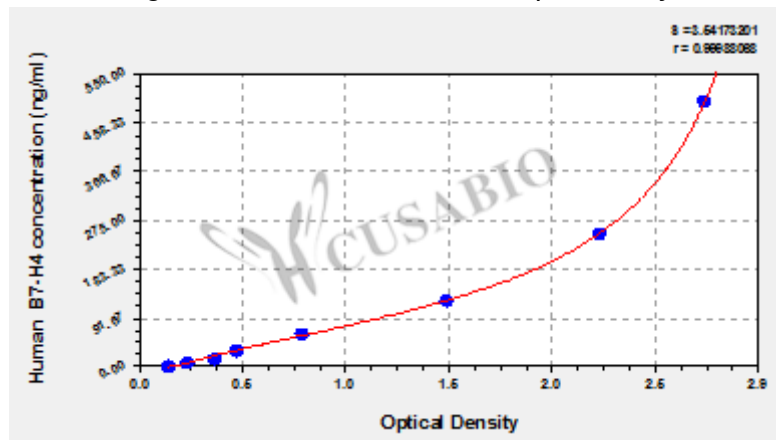
Recovery

The recovery of human B7-H4 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	85-97
EDTA plasma (n=4)	89	84-93

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
500	2.625	2.750	2.688	2.542
250	2.100	2.274	2.187	2.041
125	1.466	1.463	1.465	1.319
62.5	0.759	0.797	0.778	0.632
31.25	0.475	0.461	0.468	0.322
15.6	0.362	0.366	0.364	0.218
7.8	0.231	0.245	0.238	0.092
0	0.142	0.150	0.146	?

Msds

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