Human Adipsin ELISA Kit

Product Code	CSB-E14369h
Abbreviation	CFD
Protein Biological Process 1	Complement
Target Name	complement factor D (adipsin)
Uniprot No.	P00746
Alias	ADIPSIN, ADN, DF, PFD, C3 convertase activator|D component of complement (adipsin)|complement factor D|complement factor D preproprotein|properdin factor D
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Complement alternate pathway
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.312 ng/mL-20 ng/mL
Sensitivity	0.078 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	CFD
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human CFD ELISA Kit was designed for the quantitative measurement of Human CFD protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.312 ng/mL-20 ng/mL and the sensitivity is 0.078 ng/mL.
Target Details	This protein is a member of the trypsin family of peptidases. The encoded protein is a component of the alternative complement pathway best known for its role in humoral suppression of infectious agents. This protein is also a serine protease that is secreted by adipocytes into the bloodstream. Finally, the encoded protein has a high level of expression in fat, suggesting a role for

adipose tissue in immune system biology.

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 adipsin 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 %	87
	Range %	82-91
1:40	Average %	84
	Range %	80-88
1:80	Average %	104
	Range %	98-108
1:160	Average %	90
	Range %	85-94

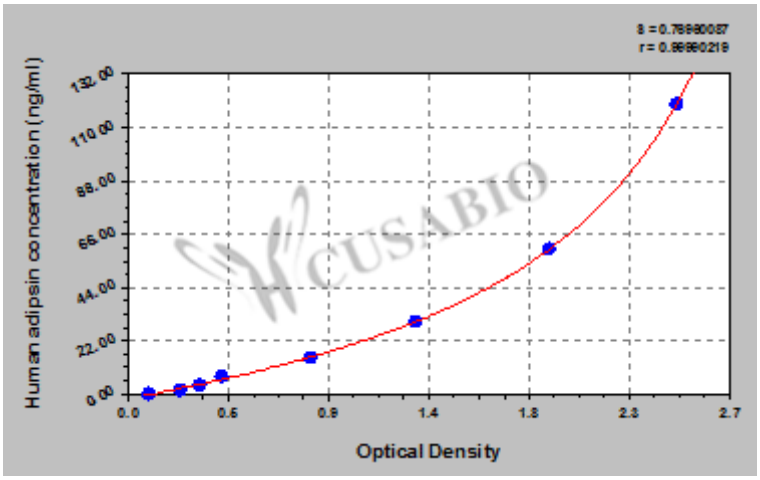
Recovery

The recovery of human adipsin 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)	98	94-103
EDTA plasma (n=4)	94	90-100

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
120	2.591	2.423	2.507	2.402
60	1.964	1.890	1.927	1.822
30	1.336	1.301	1.319	1.214
15	0.842	0.836	0.839	0.734
7.5	0.449	0.424	0.437	0.332
3.75	0.329	0.339	0.334	0.229
1.87	0.249	0.241	0.245	0.140
0	0.108	0.102	0.105	?

Msds

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