



Human Protein FADD(FADD) ELISA kit

Product Code	CSB-EL007958HU
Abbreviation	FADD
Protein Biological Process 1	Apoptosis/Autophagy
Target Name	Fas (TNFRSF6)-associated via death domain
Uniprot No.	Q13158
Alias	GIG3, MGC8528, MORT1, Fas-associated via death domain Fas-associating death domain-containing protein Fas-associating protein with death domain growth-inhibiting gene 3 protein mediator of receptor-
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Apoptosis
Sample Types	serum, plasma, cell culture supernates, cell lysates
Detection Range	125 pg/mL-8000 pg/mL
Sensitivity	31.25 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	Cell Biology
Gene Names	FADD
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human FADD ELISA Kit was designed for the quantitative measurement of Human FADD protein in serum, plasma, cell culture supernates, cell lysates. It is a Sandwich ELISA kit, its detection range is 125 pg/mL-8000 pg/mL and the sensitivity is 31.25 pg/mL.
Target Details	This protein is an adaptor molecule that interacts with various cell surface receptors and mediates cell apoptotic signals. Through its C-terminal death domain, this protein can be recruited by TNFRSF6/Fas-receptor, tumor necrosis factor receptor, TNFRSF25, and TNFSF10/TRAIL-receptor, and thus it participates in the death signaling initiated by these receptors. Interaction of this protein with the receptors unmasks the N-terminal effector domain of this



protein, which allows it to recruit caspase-8, and thereby activate the cysteine protease cascade. Knockout studies in mice also suggest the importance of this protein in early T cell development.

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 FADD 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 %	92
	Range %	88-96
1:2	Average %	97
	Range %	92-103
1:4	Average %	94
	Range %	89-98
1:8	Average %	98
	Range %	92-104

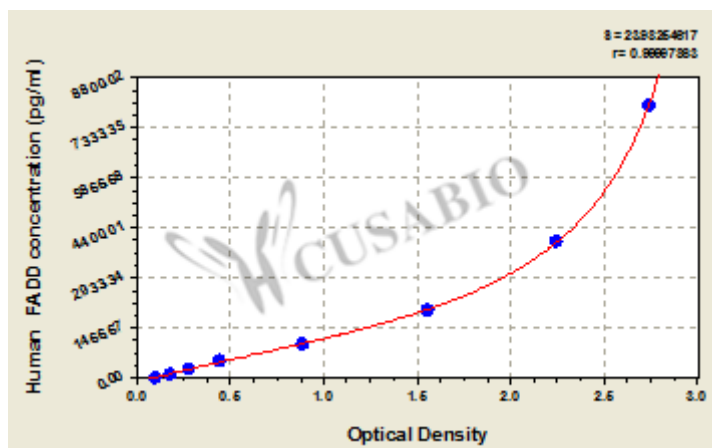
Recovery

The recovery of Human FADD 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)	88	82-94
EDTA plasma (n=4)	98	92-102

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 Corrected	
8000	2.703	2.822	2.763	2.659
4000	2.328	2.208	2.268	2.164
2000	1.615	1.534	1.575	1.471
1000	0.884	0.914	0.899	0.795
500	0.433	0.468	0.451	0.347
250	0.281	0.294	0.288	0.184
125	0.182	0.186	0.184	0.080
0	0.104	0.103	0.104	

Msds

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