Human apoptosis inducing factor,AIF ELISA Kit

Product Code	CSB-E09006h
Abbreviation	AIFM1
Protein Biological Process 1	Apoptosis/Autophagy
Target Name	apoptosis-inducing factor, mitochondrion-associated, 1
Uniprot No.	O95831
Alias	RP3-438D16.2, AIF, MGC111425, PDCD8, programmed cell death 8|programmed cell death 8 (apoptosis-inducing factor)|striatal apoptosis-inducing factor
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Apoptosis
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	23.5 pg/mL-1500 pg/mL
Sensitivity	5.8 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	AIFM1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human AIFM1 ELISA Kit was designed for the quantitative measurement of Human AIFM1 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 23.5 pg/mL-1500 pg/mL and the sensitivity is 5.8 pg/mL.
Target Details	This gene encodes a flavoprotein essential for nuclear disassembly in apoptotic cells that is found in the mitochondrial intermembrane space in healthy cells. Induction of apoptosis results in the translocation of this protein to the nucleus where it effects chromosome condensation and fragmentation. In addition, this gene product induces mitochondria to release the apoptogenic proteins cytochrome c and caspase-9. Several alternative transcripts encoding different

isoforms have been identified for this gene.

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 AIF 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 %	87-95
1:2	Average %	89
	Range %	85-94
1:4	Average %	88
	Range %	82-95
1:8	Average %	98
	Range %	92-103

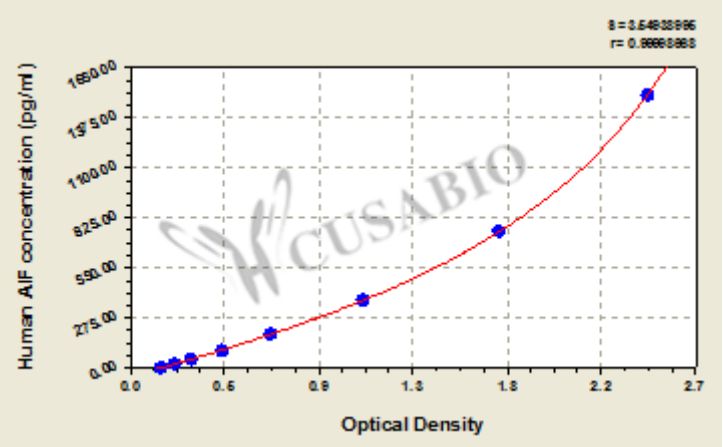
Recovery

The recovery of human AIF 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)	94	91-98
EDTA plasma (n=4)	87	80-93

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
1500	2.361	2.545	2.453	2.295
750	1.806	1.707	1.757	1.599
375	1.072	1.154	1.113	0.955
187.5	0.682	0.673	0.678	0.520
94	0.455	0.443	0.449	0.291
47	0.297	0.305	0.301	0.143
23.5	0.223	0.229	0.226	0.068
0	0.157	0.158	0.158	

Msds

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