



Human Allograft inflammatory factor 1(AIF1) ELISA kit

Product Code	CSB-EL001490HU
Abbreviation	AIF1
Target Name	allograft inflammatory factor 1
Uniprot No.	P55008
Alias	DADB-70P7.8, AIF-1, IBA1, IRT-1, interferon gamma responsive transcript ionized calcium-binding adapter molecule
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	7.8 pg/mL-500 pg/mL
Sensitivity	1.9 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	Cell Biology
Gene Names	AIF1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human AIF1 ELISA Kit was designed for the quantitative measurement of Human AIF1 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 7.8 pg/mL-500 pg/mL and the sensitivity is 1.9 ng/mL.
Target Details	This gene is induced by cytokines and interferon. Its protein product is thought to be involved in negative regulation of growth of vascular smooth muscle cells, which contributes to the anti-inflammatory response to vessel wall trauma. Three transcript variants encoding different isoforms have been found 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 AIF1 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)
	Average %	104
1:5	Range %	101-108
	Average %	91
1:10	Range %	88-97
	Average %	96
1:20	Range %	91-104
	Average %	89
1:40	Range %	86-93

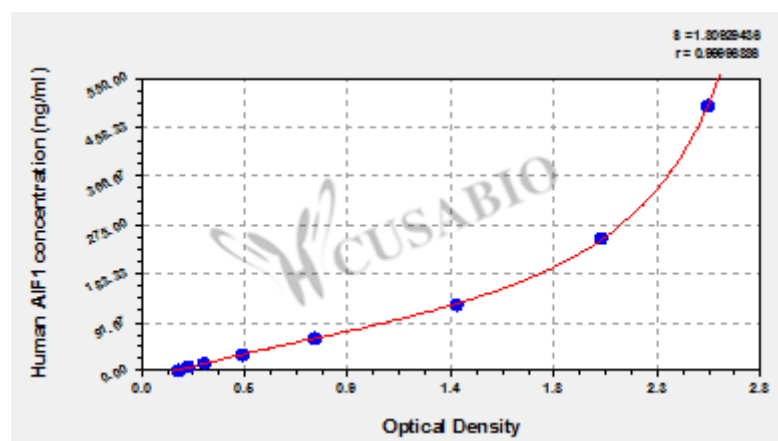
Recovery

The recovery of human AIF1 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)	102	99-106
EDTA plasma (n=4)	96	92-101

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	2.532	2.522	2.527	2.347
250	2.088	2.027	2.058	1.878
125	1.369	1.459	1.414	1.234
62.5	0.784	0.779	0.782	0.602
31.2	0.445	0.480	0.463	0.283
15.6	0.287	0.299	0.293	0.113
7.8	0.213	0.230	0.222	0.042
0	0.175	0.185	0.180	?

**Msd**

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