



Human Zinc finger protein Aiolos(IKZF3) ELISA kit

Product Code	CSB-EL011577HU
Abbreviation	IKZF3
Protein Biological Process 1	Immunity
Target Name	IKAROS family zinc finger 3 (Aiolos)
Uniprot No.	Q9UKT9
Alias	AIO, AIOLOS, ZNFN1A3, aiolos zinc finger protein, subfamily 1A, 3 (Aiolos)
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	B-cell activation
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	25 pg/mL-1600 pg/mL
Sensitivity	6.25 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	Immunology
Gene Names	IKZF3
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human IKZF3 ELISA Kit was designed for the quantitative measurement of Human IKZF3 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 25 pg/mL-1600 pg/mL and the sensitivity is 6.25 pg/mL.

Target Details

This gene encodes a member of the Ikaros family of zinc-finger proteins. Three members of this protein family (Ikaros, Aiolos and Helios) are hematopoietic-specific transcription factors involved in the regulation of lymphocyte development. This gene product is a transcription factor that is important in the regulation of B lymphocyte proliferation and differentiation. Both Ikaros and Aiolos can participate in chromatin remodeling. Regulation of gene expression in B lymphocytes by Aiolos is complex as it appears to require the sequential



formation of Ikaros homodimers, Ikaros/Aiolos heterodimers, and Aiolos homodimers. At least six alternative transcripts encoding different isoforms have been described.

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 IKZF3 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 %	86
1:1	Range %	80-91
	Average %	96
1:2	Range %	91-104
	Average %	96
1:4	Range %	92-109
	Average %	94
1:8	Range %	86-97

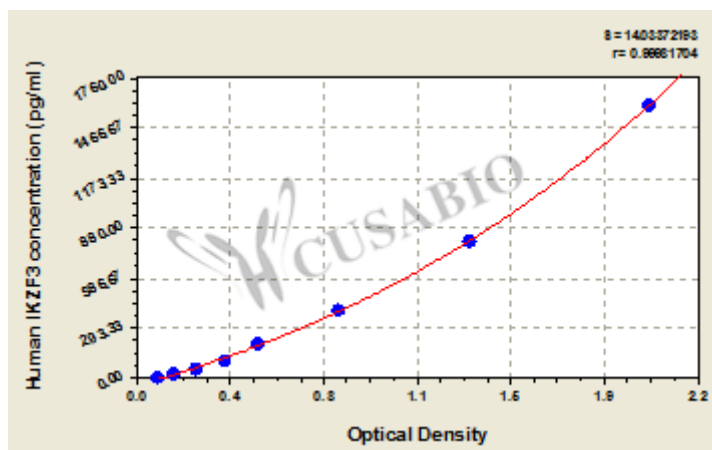
Recovery

The recovery of human IKZF3 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	89-97
EDTA plasma (n=4)	96	90-99

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
1600	2.098	1.986	2.042	1.950
800	1.357	1.298	1.328	1.236
400	0.825	0.789	0.807	0.715
200	0.500	0.481	0.491	0.399
100	0.360	0.351	0.356	0.264
50	0.245	0.240	0.243	0.151
25	0.156	0.152	0.154	0.062
0	0.092	0.091	0.092	?

Msds

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