Mouse Interleukin-19(IL19) ELISA kit

Product Code	CSB-EL011612MO
Abbreviation	IL19
Protein Biological Process 1	Apoptosis/Autophagy
Target Name	interleukin 19
Uniprot No.	Q8CJ70
Alias	IL-10C, MDA1, NG.1, ZMDA1, melanoma differentiation associated protein-like protein
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Apoptosis
Sample Types	serum, plasma, tissue homogenates
Detection Range	12.5 pg/mL-800 pg/mL
Sensitivity	3.12 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	Il19
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse IL19 ELISA Kit was designed for the quantitative measurement of Mouse IL19 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 12.5 pg/mL-800 pg/mL and the sensitivity is 3.12 pg/mL.
Target Details	This protein is a cytokine that belongs to the IL10 cytokine subfamily. This cytokine is found to be preferentially expressed in monocytes. It can bind the IL20 receptor complex and lead to the activation of the signal transducer and activator of transcription 3 (STAT3). A similar cytokine in mouse is reported to up-regulate the expression of IL6 and TNF-alpha and induce apoptosis, which suggests a role of this cytokine in inflammatory responses. Alternatively spliced

transcript variants encoding the distinct 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 mouse IL19 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 %	107
	Range %	96-112
1:2	Average %	103
	Range %	94-107
1:4	Average %	95
	Range %	86-99
1:8	Average %	100
	Range %	90-104

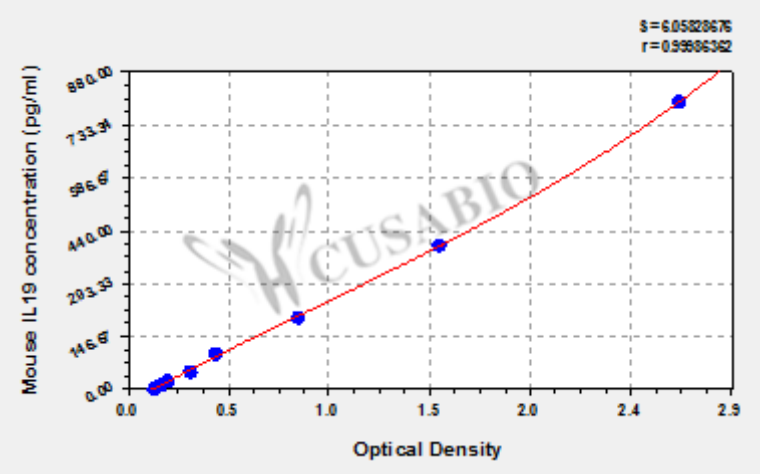
Recovery

The recovery of mouse IL19 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	88-106
EDTA plasma (n=4)	103	92-107

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
800	2.707	2.656	2.682	2.542
400	1.494	1.544	1.519	1.379
200	0.829	0.845	0.837	0.697
100	0.422	0.446	0.434	0.294
50	0.309	0.313	0.311	0.171
25	0.201	0.212	0.207	0.067
12.5	0.176	0.171	0.174	0.034
0	0.142	0.138	0.140	?

Msds

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