



Mouse Leukemia inhibitory factor,LIF ELISA kit

Product Code	CSB-E04652m
Abbreviation	LIF
Target Name	leukemia inhibitory factor (cholinergic differentiation factor)
Uniprot No.	P09056
Alias	CDF, DIA, HILDA, D factor cholinergic differentiation factor differentiation inhibitory activity differentiation stimulating factor
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates
Detection Range	15.6 pg/mL-1000 pg/mL
Sensitivity	3.9 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	Cancer
Gene Names	Lif
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse LIF ELISA Kit was designed for the quantitative measurement of Mouse LIF protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 15.6 pg/mL-1000 pg/mL and the sensitivity is 3.9 pg/mL.
Target Details	This protein is a pleiotropic cytokine with roles in several different systems. It is involved in the induction of hematopoietic differentiation in normal and myeloid leukemia cells, induction of neuronal cell differentiation, regulator of mesenchymal to epithelial conversion during kidney development, and may also have a role in immune tolerance at the maternal-fetal interface.
Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%<8%</p> <p>Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%<10%</p> <p>Three samples of known concentration were tested in twenty assays to assess.</p>



Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of mouse LIF 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 %	90
	Range %	86-94
1:2	Average %	96
	Range %	90-100
1:4	Average %	92
	Range %	88-96
1:8	Average %	97
	Range %	92-101

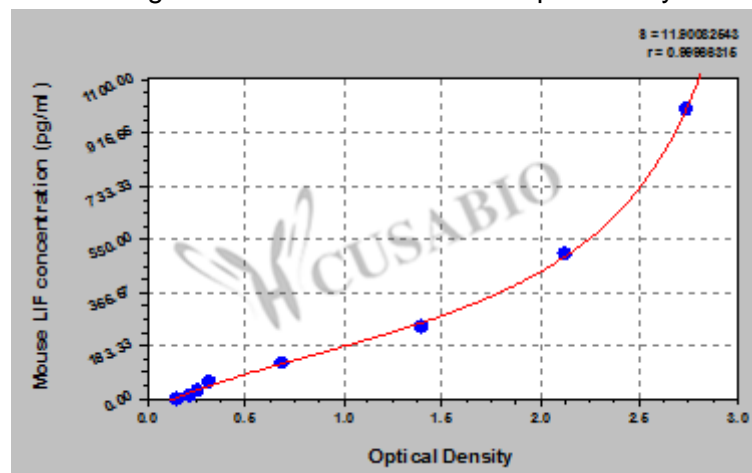
Recovery

The recovery of mouse LIF 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)	84	80-88
EDTA plasma (n=4)	96	92-100

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
1000	2.778	2.687	2.733	2.571
500	2.209	2.036	2.123	1.961
250	1.377	1.421	1.399	1.237
125	0.671	0.725	0.698	0.536
62.5	0.343	0.317	0.330	0.168
31.25	0.265	0.274	0.270	0.108
15.6	0.224	0.237	0.231	0.069
0	0.165	0.159	0.162	

Msds

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