

ARG81688 Mouse LIF ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81688-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81688-002	Standard	2 X 10 ng/vial	4°C
ARG81688-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81688-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81688-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81688-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81688-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81688-008	25X Wash buffer	20 ml	4°C
ARG81688-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81688-010	STOP solution	10 ml (Ready to use)	4°C
ARG81688-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81688 Mouse LIF ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse LIF in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	LIF
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	3.9 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	7.8 - 500 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.3%; Inter-Assay CV: 6.0%
Alternate Names	LIF; Leukemia inhibitory factor; Emfilermin; CDF; DIA; Differentiation-stimulating factor; MLPLI; HILDA; Melanoma-derived LPL inhibitor; D factor

Application Instructions

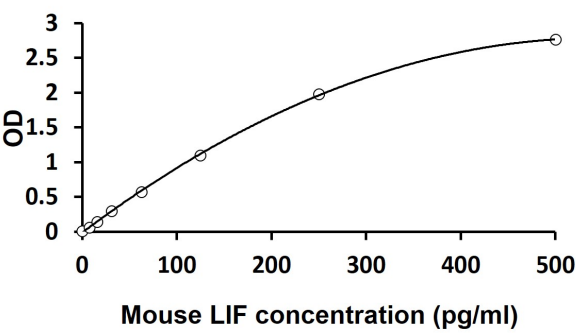
Assay Time	~ 5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	LIF
Gene Full Name	leukemia inhibitory factor
Background	The protein encoded by this gene 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. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Mar 2012]
Function	LIF has the capacity to induce terminal differentiation in leukemic cells. Its activities include the induction of hematopoietic differentiation in normal and myeloid leukemia cells, the induction of neuronal cell differentiation, and the stimulation of acute-phase protein synthesis in hepatocytes. [UniProt]
Highlight	Related products: LIF antibodies ; LIF ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData



ARG81688 Mouse LIF ELISA Kit standard curve image

ARG81688 Mouse LIF ELISA Kit results of a typical standard run with optical density reading at 450 nm.