

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

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|---------------------|---|
| 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 |

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|-----------------|---|
| 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

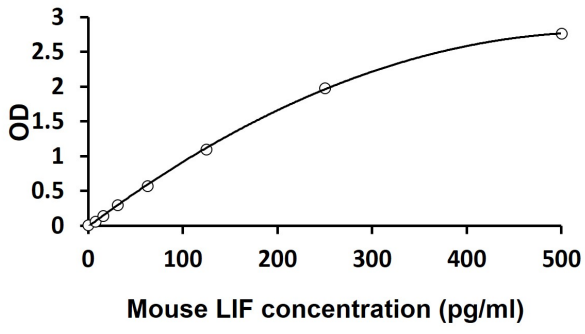
| | |
|------------|-----------|
| Assay Time | ~ 5 hours |
|------------|-----------|

Properties

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|---------------------|--|
| 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

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|----------------|---|
| 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.