

ARG83042 Human LIF ELISA Kit

Package: 96 wells

Store at: 4°C

Summary

Product Description	ARG83042 Human LIF ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human LIF in serum, plasma (heparin), ascites, urine and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	Not cross-reacts with: Human HGF, TGF beta1, IL6, TNF alpha. Mouse LIF, TGF beta1, IL6. Rat LIF, TGF beta1, IL6.
Target Name	LIF
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum, plasma (heparin), ascites, urine and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: less than 10% Inter-Assay CV: less than 10%
Alternate Names	LIF, LIF Interleukin 6 Family Cytokine, HILDA, Leukemia Inhibitory Factor, CDF, DIA, Differentiation Inhibitory Activity, Cholinergic Differentiation Factor, Differentiation Stimulating Factor, Hepatocyte Stimulating Factor III, Differentiation-Inducing Factor, Melanoma-Derived LPL Inhibitor, Human Interleukin In DA Cells, D Factor, MLPLI, LIF, Interleukin 6 Family Cytokine, Emfilermin

Application Instructions

Assay Time	~ 4 hours
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Properties

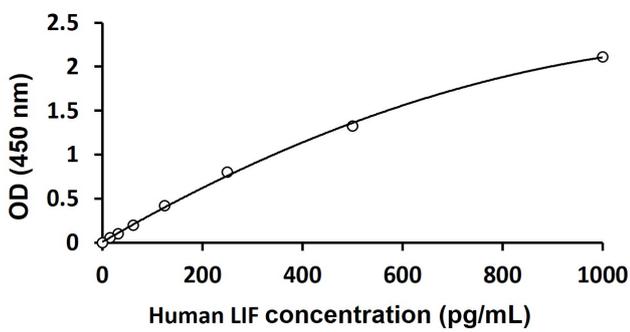
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory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

Bioinformation

Gene Symbol	LIF
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Gene Full Name	LIF Interleukin 6 Family Cytokine
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	

Images



ARG83042 Human LIF ELISA Kit standard curve image

ARG83042 Human LIF ELISA Kit results of standard run with optical density reading at 450 nm