

## ARG83538

### arigoQIK™ Human LIF ELISA Development Kit

Package: 1 kit(5 plates), 1 kit  
(15 plates)  
Store at: 4°C, -20°C

#### Summary

##### Product Description

ARG83538 arigoQIK™ Human LIF ELISA Development Kit, includes Capture antibody, Detection antibody, Standard, and HRP-Streptavidin Solution.  
This ELISA Development Kit is designed for the development of sandwich ELISA to measure Human LIF in serum, plasma and cell culture supernatants.

For other reagents required for [arigoQIK™ ELISA Development Kit](#), please refer [ARG83524 Integral Reagent Kit \(ELISA Development Kit\)](#)

##### [More about arigoQIK™:](#)

- Optimized capture and detection antibody pairs
- Reduced incubation time and wash cycles
- 2-hour quicker than conventional ELISA process
- 5- and 15-plate packages available

##### Tested Reactivity

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##### Tested Application

ELISA

##### Target Name

LIF

##### Conjugation

HRP

##### Conjugation Note

Substrate: TMB and read at 450 nm.

##### Sensitivity

3.91 pg/ml

##### Sample Type

Serum, plasma and cell culture supernatants.

##### Standard Range

7.81 - 500pg/ml

##### Sample Volume

50 µl

##### 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

#### Properties

##### Storage instruction

Store components at 4°C or -20°C. 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

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             | Related news:<br><a href="#">arigoQIK, DIY your sandwich ELISA kits;</a>                                                                                                                                                                                                                                              |
| PTM                   | Disulfide bond, Glycoprotein. [UniProt]                                                                                                                                                                                                                                                                               |
| Cellular Localization | Secreted. [UniProt]                                                                                                                                                                                                                                                                                                   |