

## LIF rabbit monoclonal antibody

Catalog # H00003976-K      Size 100 ug x up to 3

### Specification

|                                |                                                                                                                                                                                                                                                                              |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Rabbit monoclonal antibody raised against a human LIF peptide using ARM Technology.                                                                                                                                                                                          |
| <b>Immunogen</b>               | A synthetic peptide of human LIF is used for rabbit immunization.<br>Customer or Abnova will decide on the preferred peptide sequence.                                                                                                                                       |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                       |
| <b>Library Construction</b>    | Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).                                                                                                                                                                                           |
| <b>Expression</b>              | Overexpression vector and transfection into 293H cell line.                                                                                                                                                                                                                  |
| <b>Reactivity</b>              | Human                                                                                                                                                                                                                                                                        |
| <b>Purification</b>            | Protein A                                                                                                                                                                                                                                                                    |
| <b>Isotype</b>                 | IgG                                                                                                                                                                                                                                                                          |
| <b>Quality Control Testing</b> | Antibody reactive against human LIF peptide by ELISA and mammalian transfected lysate by Western Blot.                                                                                                                                                                       |
| <b>Storage Buffer</b>          | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                            |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                     |
| <b>Deliverable</b>             | Up to three rabbit IgG clones of 100 ug each will be delivered to customer.                                                                                                                                                                                                  |
| <b>Note</b>                    | 1. Customer may provide cell or tissue lysate for antibody screening.<br>2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request. |

### Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — LIF

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">3976</a>                                                                                                                                                                                                                                                                                                                                                                                                                   |
| GeneBank Accession# | <a href="#">LIF</a>                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Gene Name           | LIF                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Gene Alias          | CDF, DIA, HILDA                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Description    | leukemia inhibitory factor (cholinergic differentiation factor)                                                                                                                                                                                                                                                                                                                                                                        |
| Omim ID             | <a href="#">159540</a>                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene Summary        | 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. [provided by RefSeq] |
| Other Designations  | D factor cholinergic differentiation factor differentiation inhibitory activity differentiation stimulating factor                                                                                                                                                                                                                                                                                                                     |

## Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Jak-STAT signaling pathway](#)

## Disease

- [Abortion](#)
- [Arthritis](#)
- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Cerebrovascular Accident](#)

- [Dementia](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Endometriosis](#)
- [Genetic Predisposition to Disease](#)
- [Infertility](#)
- [Memory](#)
- [Mental Disorders](#)
- [Multiple Sclerosis](#)
- [Neuropsychological Tests](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Schizophrenia](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)