LIF Antibody

PRODUCT OVERVIEW

Product Name	LIF, Antibody
Full Product Name	Anti-LIF (falbikitug biosimilar) mAb
Product Gene Name	anti-LIF antibody
Product Synonym Names	CDF; DIA; HILDA; MLPLI; AZD0171; AZD-0171; MSC-1; MSC1
Isotype	IgG1
Species Reactivity	Human
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Preparation and Storage	Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Molecular Weight	22,008 Da
Chromosome Location	Chromosome: 22; NC_000022.10 (30636436..30642840, complement). Location: 22q12.2
OMIM	159540
3D Structure	ModBase 3D Structure for P15018
Product Categories/Family for anti-LIF antibody	Biosimilar reference antibodies
Applications Tested/Suitable for anti-LIF antibody	Flow Cytometry (FC/FACS)
Related Product Information for anti-LIF antibody	MBS1881213 is an antibody targeting LIF. Also known as Anti-LIF (falbikitug biosimilar) mAb. Reactive in Human.
Other Notes	Small volumes of anti-LIF antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LIF. It may not necessarily be applicable to this product.

NCBI GI #	4504991
NCBI GeneID	3976
NCBI Accession #	NP_002300.1
UniProt Primary Accession #	P15018
UniProt Secondary Accession #	Q52LZ2; B2RCW7; B5MC23
UniProt Related Accession #	P15018
GenBank Nucleotide #	NM_002309.4
NCBI Official Full Name	leukemia inhibitory factor isoform 1

NCBI Official Synonym Full Names	leukemia inhibitory factor
NCBI Official Symbol	LIF
NCBI Official Synonym Symbols	CDF; DIA; HILDA; MLPLI
UniProt Protein Name	Leukemia inhibitory factor
UniProt Synonym Protein Names	Differentiation-stimulating factor; D factor; Melanoma-derived LPL inhibitor
Protein Family	Leukemia inhibitory factor
UniProt Gene Name	LIF
UniProt Synonym Gene Names	HILDA; LIF; D factor; MLPLI
UniProt Entry Name	LIF_HUMAN
NCBI Protein Information	leukemia inhibitory factor; D factor; human interleukin in DA cells; melanoma-derived LPL inhibitor; differentiation-inducing factor; hepatocyte-stimulating factor III; cholinergic differentiation factor; differentiation-stimulating factor; differentiatio
NCBI Summary for LIF	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]
UniProt Comments for LIF	LIF: 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. Belongs to the LIF/OSM family. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 22q12.2 Cellular Component: extracellular space; cytoplasm Molecular Function: growth factor activity; leukemia inhibitory factor receptor binding; cytokine activity; receptor binding Biological Process: transcription from RNA polymerase II promoter; negative regulation of hormone secretion; multicellular organismal development; leukemia inhibitory factor signaling pathway; stem cell maintenance; tyrosine phosphorylation of Stat3 protein; decidualization; positive regulation of peptidyl-serine phosphorylation; positive regulation of tyrosine phosphorylation of Stat3 protein; negative regulation of cell proliferation; positive regulation of tyrosine phosphorylation of Stat1 protein; positive regulation of peptidyl-tyrosine phosphorylation; positive regulation of MAPKKK cascade; negative regulation of meiosis; positive regulation of cell proliferation; neuron development; blood vessel remodeling; positive regulation of transcription from RNA polymerase II promoter; immune response; positive regulation of macrophage differentiation; muscle morphogenesis; alveolus development; embryo implantation; positive regulation of peptidyl-serine phosphorylation of STAT protein; positive regulation of astrocyte differentiation
Research Articles on LIF	**1.** LIF is a contraction-induced myokine, potentially acting in an autocrine or paracrine fashion to promote skeletal muscle satellite cell proliferation.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/human-antibody/lif/1881213