



Anti-LIF monoclonal antibody, clone 0935 (DCABY-3983)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Based on its helical structure, LIF (Leukemia Inhibitory Factor) is considered a member of the Interleukin-6 family of cytokines. Functionally, it has been implicated in a many physiological processes including development, hematopoiesis, bone metabolism, and inflammation. Some cell types known to express LIF include activated T cells, monocytes, astrocytes, osteoblasts, keratinocytes, regenerating skeletal muscle, mast cells, and fibroblasts.
Specificity	Detects human LIF in ELISAs and Western blots. In sandwich immunoassays, no significant cross-reactivity or interference with recombinant human (rh)IL-1 alpha, rhIL-1 beta, rhIL-2, rhIL-3, rhIL-4, rhIL-6, rhIL-7, rhIL-8, rhG-CSF, rhGM-CSF, rhOSM, rhTGF-beta 1, rhTNF-alpha, rhTNF-beta, recombinant mouse (rm) IL-1 beta, rmIL-3, rmIL-4, rmIL-5, rmIL-6, rmIL-7, rmGM-CSF, bovine (b)FGF acidic, bFGF basic, human (h)PDGF, porcine (p)PDGF, hTGF-beta 1, pTGF-beta 1.2, or pTGF-beta 2 is observed.
Immunogen	E. coli-derived recombinant human LIF
Isotype	IgG2B
Source/Host	Mouse
Species Reactivity	Human
Clone	0935
Purification	Protein A or G purified from ascites
Conjugate	Unconjugated
Applications	Immunohistochemistry, ELISA Capture (Matched Pair), Neutralization
Format	Liquid

Size	500 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	LIF leukemia inhibitory factor [Homo sapiens (human)]
Official Symbol	LIF
Synonyms	LIF; leukemia inhibitory factor; CDF; DIA; HILDA; MLPLI; D factor; human interleukin in DA cells; melanoma-derived LPL inhibitor; differentiation-inducing factor; hepatocyte-stimulating factor III; cholinergic differentiation factor; differentiation-stimu
Entrez Gene ID	3976
Protein Refseq	NP_001244064
UniProt ID	P15018
Chromosome Location	22q12.2
Pathway	Adipogenesis; Cytokine-cytokine receptor interaction; Direct p53 effectors; Jak-STAT signaling pathway; MicroRNAs in cardiomyocyte hypertrophy; TGF Beta Signaling Pathway; TNF signaling pathway; Validated transcriptional targets of AP1 family members Fra1
Function	RNA polymerase II transcription factor recruiting transcription factor activity; cytokine activity; growth factor activity; leukemia inhibitory factor receptor binding; receptor binding;