

Product datasheet for **DM3587P**

LIF Rat Monoclonal Antibody [Clone ID: 5M28]

Product data:

Product Type:	Primary Antibodies
Clone Name:	5M28
Applications:	WB
Recommended Dilution:	Western Blot: 1/500-1/1000.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2
Clonality:	Monoclonal
Immunogen:	Recombinant Mouse LIF protein
Specificity:	This antibody detects Mouse LIF in Western blotting.
Formulation:	State: Purified State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore with 0.2 ml sterile PBS and the final concentration is 0.5 mg/ml.
Purification:	Affinity Chromatography on Protein A/G
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	leukemia inhibitory factor
Database Link:	P15018



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Background:

Leukemia inhibitory factor (LIF) is a multifunctional glycoprotein that induces macrophage differentiation and suppresses the proliferation of the murine M1 myeloid cell line. 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.

Synonyms:

LIF, HILDA, D factor, Melanoma-derived LPL inhibitor, MLPLI, Emfilermin