



20161115BB

Anti-Human LIF (#6H31)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	101-M553
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with human recombinant protein of LIF.

Target Background

Synonyms (Target):	LIF; CDF; DIA; HILDA; MLPLI
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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.

Database References Target

Protein RefSeq:	NP_002300.1
Uniprot ID:	P15018
mRNA RefSeq:	NM_002309.4

Product Specifications

Host	Mouse
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#6H31)
Isotype	IgG2
Purification	Protein G chromatography
Antigen	recombinant human LIF
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody was selected for its ability to detect human LIF.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

IHC (P), N

Recommended usage:

IHC (P): 1:20 - 1:100

Neutralization of LIF bioactivity: Yes

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!