



Mouse Anti-Human LIF Monoclonal Antibody Datasheet

Product Name: mAb anti-human LIF

Clone No.: 2C6

Catalogue No.: MO-C40096A

Quantity:

Description: Mouse monoclonal antibody to human Leukemia inhibitory factor (LIF).

Purification: Protein G affinity purified

Product Type: Primary antibody

Target Protein: LIF

Immunogen: Recombinant LIF

Fusion Myeloma: Sp2/0-Ag14

Specificity: This antibody is reactive to recombinant human LIF protein.

Species Reactivity: Human, others not tested

Host / Isotype: Mouse, IgG1 Kappa

Formulation: Lyophilized from a solution in 0.01M PBS, pH 7.0

Reconstitution: Double distilled water is recommended to adjust the final concentration to 1mg/mL.

Storage: Store at -20°C

Research Area: Cytokine and oncology

Background: LIF is a cytokine with important functions in diversified biological processes including cell differentiation, inflammatory response, neuronal development and cancer progression. LIF can induce the terminal differentiation of leukemia cells, thus it inhibits the further progression of leukemia. However, it has

opposite effects on many other cancers, such as breast cancer and bladder cancer etc. Several recent studies have shown that LIF might play a significant role in pancreatic ductal adenocarcinoma (PDAC) tumorigenesis development. Treatment of pancreatic cancer by blocking LIF is currently under investigation. Research also demonstrated that elevated LIF level in pancreatic tissue and circulation was correlated with the cancer progression, indicating that LIF might be useful as a biomarker.

Applications:

Western blot: This antibody detected recombinant LIF protein on Western Blot.



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2355 Derry Road East, Unit 23, Mississauga, ON, Canada L5S 1V6 • Tel: (905) 677-9221 • Fax: (905) 677-0023

The antibody can detect less than
10ng/well of recombinant LIF on the blot.

EIA: This antibody is reactive to
recombinant human LIF in indirect ELISA.

References:

Xuetian Yue et al., The regulation of
leukemia inhibitory factor. *Cancer Cell
Microenvironment* 2015; 2(3): e877.

Yu Shi et al., Targeting LIF-mediated
paracrine interaction for pancreatic
cancer therapy and monitoring. *Nature*
2019 569 (131–135),

Christian Bressy et al., LIF drives neural
remodeling in pancreatic cancer and
offers a New Candidate Biomarker 2018
15:78(4):909-921

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