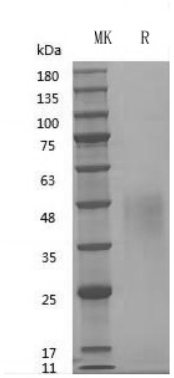
产品名称：GMP Recombinant Mouse LIF
产品货号：PCM90056

概述（Summary）

英文全称	LIF
纯度（Purity）	Greater than 95% as determined by reducing SDS-PAGE
内毒素（Endotoxin level）	≤10 EU/mg
蛋白构建（Construction）	Recombinant Mouse LIF is produced by our Mammalian cell expression system and the target gene encoding Ser24-Phe203 is expressed.
Accession #	P09056
蛋白标签（Tag）	Tag free
表达宿主（Host）	Mammalian cell
种属（Species）	Mouse
预测分子量（Predicted MW）	19.9 kDa
蛋白形态（Form）	Lyophilized
储存缓冲液（Buffer）	PBS,5% mannitol and 0.01% Tween 80, pH7.4
运输方式（Shipping）	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存（Stability &Storage）	36 months at -20°C to -80°C in lyophilized state.6 months at -20°C to -80°C under sterile conditions after reconstitution.7-10 days at 2°C to 8°C under sterile conditions after reconstitution.Please minimize freeze-thaw cycles.
复溶（Reconstitution）	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

电泳图（SDS-PAGE image）



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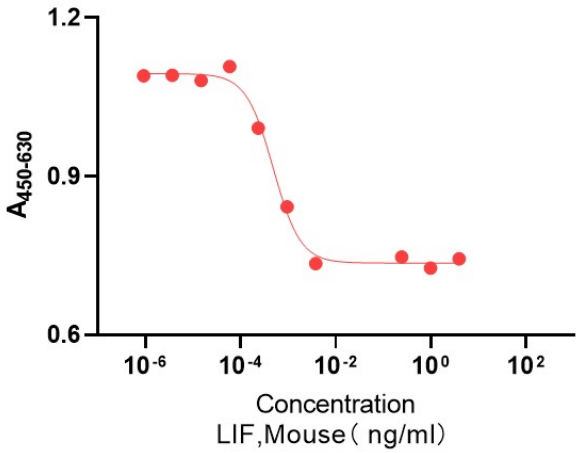
活性验证图（Bioactivity image）



背景（Background）

分子别名（Alternative Names）

Leukemia Inhibitory Factor; LIF; Differentiation-Stimulating Factor; D Factor; Melanoma-Derived LPL Inhibitor; MLPLI; Emfilermin; LIF; HILDA

背景介绍（References）

Leukemia inhibitory factor, or LIF, an interleukin 6 class cytokine, is a protein in cells that affects cell growth and development.Leukemia Inhibitory Factor has several functions such as cholinergic neuron differentiation, control of stem cell pluripotency, bone & fat metabolism, mitogenesis of factor dependent cell lines & promotion of megakaryocyte production in vivo.

Removal of LIF pushes stem cells toward differentiation, but they retain their proliferative potential or pluripotency. Therefore LIF is used in mouse embryonic stem cell culture. It is necessary to maintain the stem cells in an undifferentiated state, however genetic manipulation of embryonic stem cells allows for LIF independent growth, notably overexpression of the gene Nanog. LIF is not required for culture of human embryonic stem cells.

注意事项（Note）

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