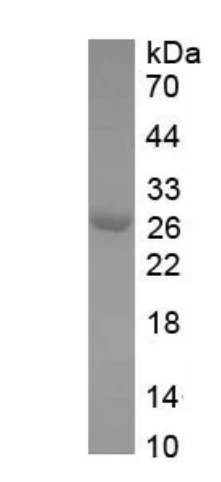
Active Interleukin 34 (IL34)

Catalog#:PEM12797

概述（Summary）

别称（Alternative Names）	C16orf77
纯度（Purity）	Greater than 95% as determined by reducing SDS-PAGE.
内毒素（Endotoxin level）	Please contact with the lab for this information
蛋白构建（Construction）	【Asn21-Pro235】
Accession #	Q8R1R4
表达宿主（Host）	E.coli
种属（Species）	Mus musculus (Mouse)
预测分子量（Predicted MW）	25.8 kDa
制剂（Form）	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
运输方式（Shipping）	The product is shipped with ice bag. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存（Stability &Storage）	12 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）	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
背景介绍（References）	Cytokine that promotes the proliferation, survival and differentiation of monocytes and macrophages. Promotes the release of proinflammatory chemokines, and thereby plays an important role in innate immunity and in inflammatory processes. Plays an important role in the regulation of osteoclast proliferation and differentiation, and in the regulation of bone resorption. Signaling via CSF1R and its downstream effectors stimulates phosphorylation of MAPK1/ERK2 AND MAPK3/ERK1.

电泳图（SDS-PAGE image）



Greater than 95% as determined by reducing SDS-PAGE.

活性图（Bioactivity image）

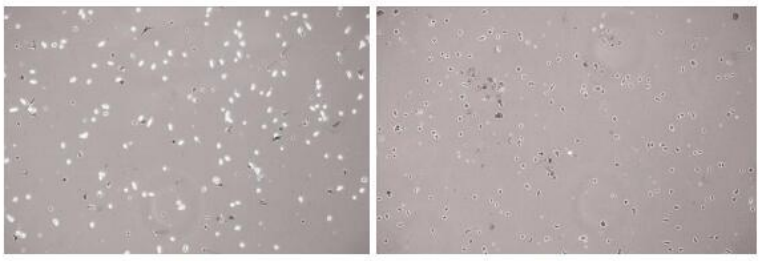


Figure2. Ink phagocytosis test.
C.Bone marrow cells unstimulated by IL-34,most of cells haven't phagocytosis function;
D.Bone marrow cells stimulated by IL-34,most of cells have phagocytosis function.

Interleukin 34 (IL-34) is a protein belonging to a group of cytokines called interleukins. IL-34 increases growth or survival of immune cells known as monocytes; it elicits its activity by binding the Colony stimulating factor 1 receptor. To explore the effect of IL-34 induction of bone marrow cells differentiation into macrophages,1×106 density of bone marrow cells were cultured with different concentration of recombinant mouse IL-34 for 7days, every three day changed with fresh culture. Setting the blank well without IL-34 as the control well. After 7days later, bone marrow cells culture with 1ug/ml IL-34 were significantiy differentiation into macrophages. The result observed by inverted microscope was shown on Figure1. Ink phagocytosis test shows ,after stimulated by IL-34, most of cells have phagocytosis function. The results were shown on Figure2. Figure2. Ink phagocytosis test.

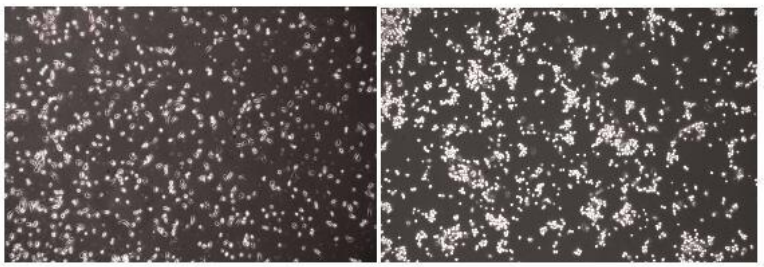


Figure1.Bone marrow cells differentiation into macrophages stimulated by IL-34.
A.Bone marrow cells culture without IL-34 for 7days;
B.Bone marrow cells differentiation into macrophages after culture with 1ug/ml IL-34 for 7days.

注意事项（Note）

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