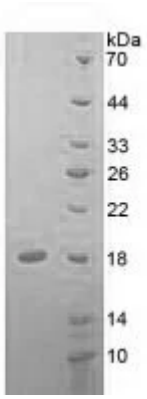
Active Interleukin 24 (IL24)

Catalog#:PEH12813

概述（Summary）

别称（Alternative Names）	C49A; FISP; IL10B; MDA7; Mob-5; ST16; Mda-7; Melanoma Differentiation Association Protein 7; Suppression Of Tumorigenicity 16
纯度（Purity）	Greater than 90% as determined by reducing SDS-PAGE.
内毒素（Endotoxin level）	Please contact with the lab for this information
蛋白构建（Construction）	【Gly51-Leu206】
Accession #	Q13007
表达宿主（Host）	E.coli
种属（Species）	Homo sapiens (Human)
预测分子量（Predicted MW）	19.5 kDa
制剂（Form）	Lyophilized from a 0.2 μm filtered solution of 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 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 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
背景介绍（References）	Has antiproliferative properties on melanoma cells and may contribute to terminal cell differentiation.

电泳图（SDS-PAGE image）



Greater than 90% as determined by reducing SDS-PAGE.

活性图（Bioactivity image）

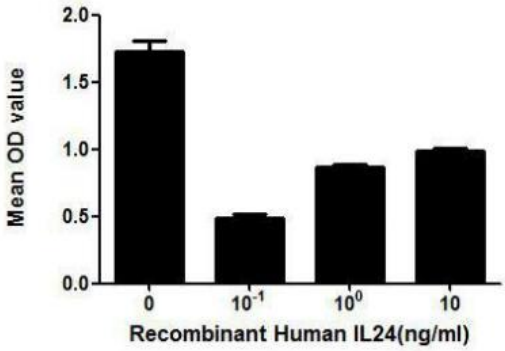


Figure 2. Inhibition of ECV-304 cells proliferation after stimulated with IL24.

IL24 (interleukin 24) is a cytokine that belongs to IL10 family. This protein can induce apoptosis selectively in various cancer cells, including ECV304. Thus, inhibition of cell proliferation assay of IL24 was conducted using ECV-304 cells. Briefly, ECV-304 cells were seeded into triplicate wells of 96-well plates at a density of 2,000 cells/well and allowed to attach overnight, then the medium was replaced with serum-free standard 1640 prior to the addition of various concentrations of IL24. After incubated for 48h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10μL of CCK-8 solution was added to each well of the plate, then the absorbance at 450nm was measured using a microplate reader after incubating the plate for 1-4 hours at 37°C. Inhibition of ECV-304 cells proliferation after incubation with IIL24 for 48h observed by inverted microscope was shown in Figure 1. Cell viability was assessed by CCK-8 (Cell Counting Kit-8) assay after incubation with various concentrations of IL24 for 48h. The mean OD value of ECV-304 assessed by CCK-8 was shown in Figure 2. It was obvious that IL24 significantly decreased cell viability of ECV-304 cells.

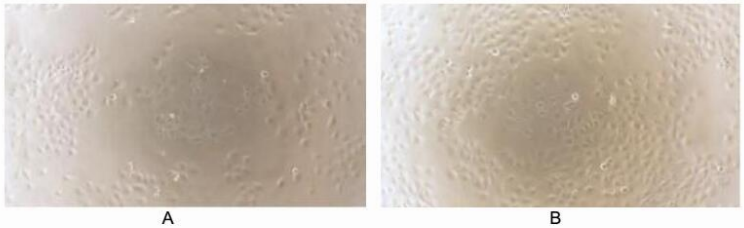


Figure 1. Inhibition of ECV-304 cells proliferation after stimulated with IL24.

(A) ECV-304 cells cultured in RPMI-1640, stimulated with 0.1ng/mL IL24 48h;

(B) Unstimulated ECV-304 cells cultured in serum-free RPMI-1640 for 48h.

注意事项（Note）

For Research Use Only , Not for Diagnostic Use.