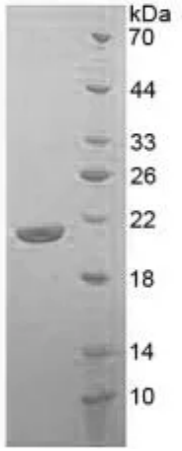
Active Interleukin 20 (IL20)

Catalog#:PEH12812

概述（Summary）

别称（Alternative Names）	IL10D; IL10-D; ZCYTO10; Cytokine Zcyto10
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）	【Leu25-Glu176】
Accession #	Q9NYY1
表达宿主（Host）	E.coli
种属（Species）	Homo sapiens (Human)
预测分子量（Predicted MW）	21.2 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）	Proinflammatory and angiogenic cytokine that may be involved in epidermal function and psoriasis. Angiogenic and proliferative activities are antagonized by IL10. May act through STAT3.

电泳图（SDS-PAGE image）



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

活性图（Bioactivity image）

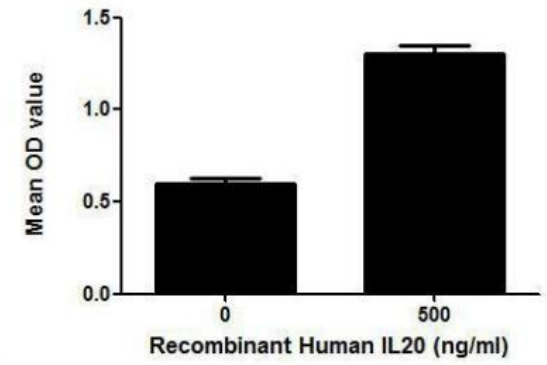


Figure 2. Cell proliferation of ECV-304 cells after stimulated with IL20.

IL20 (Interleukin-20) is a cytokine structurally related to interleukin 10, which is produced by activated keratinocytes and monocytes. It is accepted that IL20 regulates proliferation and differentiation of keratinocytes during inflammation, particularly inflammation associated with the skin. Thus, proliferation assay of IL20 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 IL20. 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. Proliferation of ECV-304 cells after incubation with IIL20 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 human recombinant IL20 for 48h. The result was shown in Figure 2. It was obvious that human IL20 significantly decreased cell viability of ECV-304 cells.

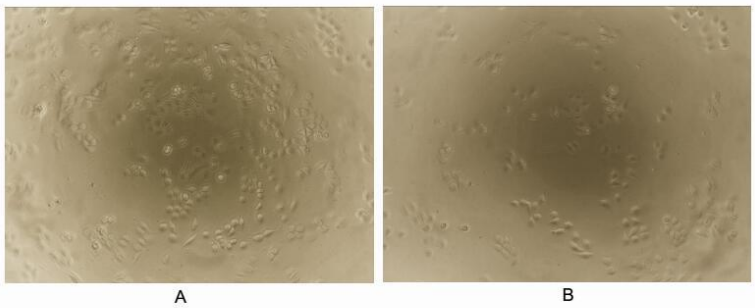


Figure 1. Cell proliferation of ECV-304 cells after stimulated with IL20.

(A) ECV-304 cells cultured in 1640, stimulated with 500ng/mL IL20 for 48h;

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

注意事项（Note）

For Research Use Only , Not for Diagnostic Use.