

Interleukin 4 (IL4) Active Protein | IL4 active protein

Active Interleukin 4 (IL4)

CATALOG # AAA146608	HOST 293F cell	APPLICATIONS Activity Assay, Cell Culture
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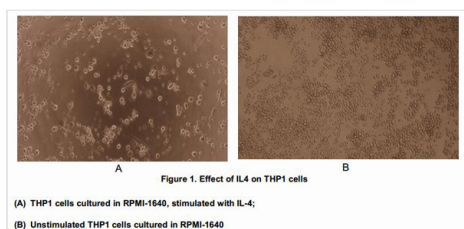
PRODUCT SYNONYMS

Interleukin 4 (IL4); Active Interleukin 4 (IL4); BSF1; BCGF1 ;B Cell Stimulatory Factor 1; Lymphocyte stimulatory factor 1; B Cell Growth Factor; Binetrakin; Pitratkinra; IL4 active protein

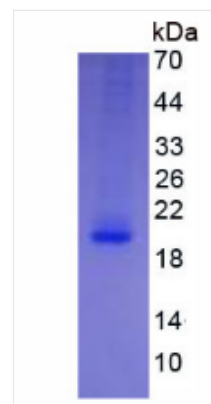
PRODUCT SPECIFICATIONS

Host	293F cell
Purity/Purification	> 95%
Form/Format	Freeze-dried powder
Sequence Length	136
Applicable Applications for IL4 active protein	Activity Assay, Cell Culture
Fragment	His25~Ser153
Tag	N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Organism Species	Human
Isoelectric Point	9.3
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

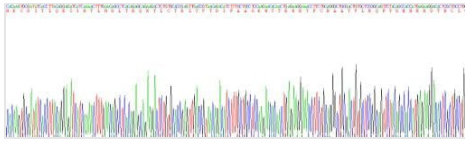
IMAGES



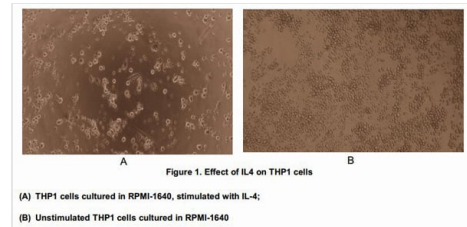
Application Data



SDS-PAGE



Gene Sequence



Activity

Interleukin 4 (IL4) is a cytokine that induces differentiation of naive helper T cells and monocyte. As reported, IL-4 would induce the differentiation of THP-1 cells into dendritic cells and macrophages in vitro. In house data was obtained by the following experiment :THP-1 cells were cultured in RPMI-1640 and stimulated with 2ng/mL IL-4, after 12 days of stimulation, cell bodies enlarged with extending pseudopodia, and vesicular bodies appeared within the cells, which showed a morphological characteristics of dendritic cells and macrophages.Cell differentiation of THP1 cells after incubation with IL4 (2ng/mL) for 12 days was shown in Figure 1.

ADDITIONAL INFORMATION

Product Categories/Family for IL4 active protein	Active Protein
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NCBI AND UNIPROT INFORMATION

NCBI GI #	55741696
NCBI GeneID	416330
NCBI Accession #	NP_001007080.1
NCBI GenBank Nucleotide #	NM_001007079.1
UniProt Accession #	Q5W4U1
Molecular Weight	16.6kDa; 20kDa
NCBI Official Full Name	interleukin-4
NCBI Official Synonym Full Names	interleukin 4
NCBI Official Symbol	IL4
NCBI Protein Information	interleukin-4
UniProt Protein Name	Interleukin 4
UniProt Gene Name	IL-4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/293f-active-protein/interleukin-4-il4/146608>