

Interleukin 4 (IL4) Active Protein | IL4 active protein

Active Interleukin 4 (IL4)

CATALOG # AAA152970	HOST 293F Cell	APPLICATIONS Activity Assay, Cell Culture
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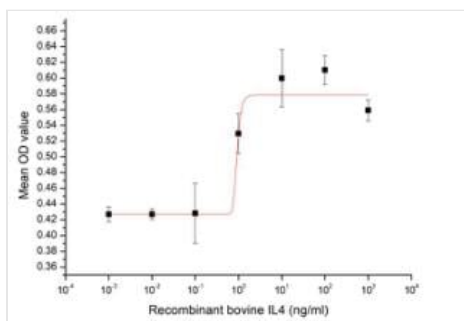
PRODUCT SYNONYMS

Interleukin 4 (IL4); Active Interleukin 4 (IL4); Interleukin 4; IL4 active protein (eukaryotic; 293F Cell); Bovine; BSF1; BCGF1 ;B Cell Stimulatory Factor 1; Lymphocyte stimulatory factor 1; B Cell Growth Factor; Binetrakin; Pitrakinra; IL4 active protein

PRODUCT SPECIFICATIONS

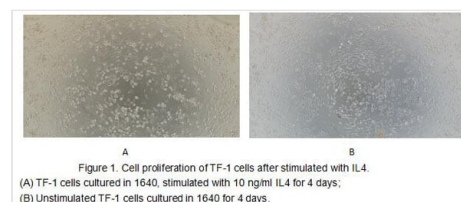
Host	293F Cell
Purity/Purification	Greater than 90% by SDS-PAGE
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose. Freeze-dried powder
Sequence Positions	Lys26~Cys135
Applicable Applications for IL4 active protein	Activity Assay, Cell Culture
Expression System	Eukaryotic expression
Species	Bovine
Tag	N-terminal His
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Isoelectric Point	9.2
Research Area	Cytokine
Preparation and Storage	Store at 2-8 degree C for one month, -80 degree C for 12 months Stable for 12 months if correctly stored.

IMAGES



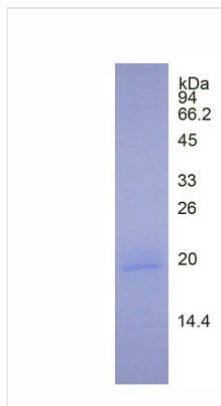
Bioactivity

Figure 2. Cell proliferation of TF-1 cells after stimulated with IL4.



Bioactivity

The interleukin 4 (IL4) is a cytokine that induces differentiation of naive helper T cells (Th0 cells) to Th2 cells. Upon activation by IL4, Th2 cells subsequently produce additional IL4 in a positive feedback loop. IL4 has many biological roles, including



SDS-PAGE
Figure. SDS-PAGE

ADDITIONAL INFORMATION

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

NCBI GI #	27806871
NCBI GeneID	280824
NCBI Accession #	NP_776346.1
NCBI GenBank Nucleotide #	NM_173921.2
UniProt Accession #	P30367; A9QWQ7
Molecular Weight	15,119 Da
NCBI Official Full Name	interleukin-4
NCBI Official Synonym Full Names	interleukin 4<
NCBI Official Symbol	IL4
NCBI Official Synonym Symbols	IL-4; BSF-1
NCBI Protein Information	interleukin-4; B-cell stimulatory factor 1; lymphocyte stimulatory factor 1
UniProt Protein Name	Interleukin-4
UniProt Gene Name	IL4
UniProt Synonym Gene Names	IL-4; BSF-1
UniProt Entry Name	IL4_BOVIN

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.