

IL-4, Human CellExp™, human recombinant

CATALOG #:	6463-10	10 µg
	6463-50	50 µg
ALTERNATE NAMES:	BCGF, BCDF, B cell stimulating factor, BSF-1, Lymphocyte stimulatory factor 1, IL-4, MGC79402, Binetrakin, Pitrakinra.	
SOURCE:	Human 293 Cell Expressed	
PURITY:	> 95% by SDS - PAGE	
MOL. WEIGHT:	14 and 19 kDa, monomer	
ENDOTOXIN LEVEL:	< 1.0 EU per 1 µg of protein	
FORMULATION:	Lyophilized from a solution of 20 mM Tris-HCl, pH 7.4, with 300 mM NaCl.	
RECONSTITUTION:	Reconstitute in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.	
STORAGE CONDITIONS:	Aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.	

ADVANTAGES:

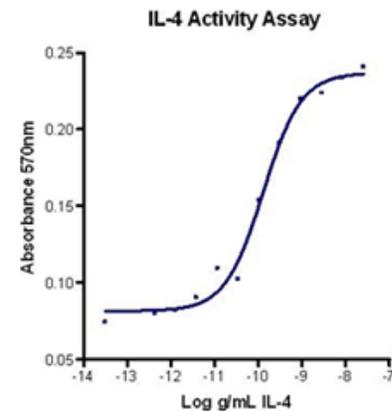
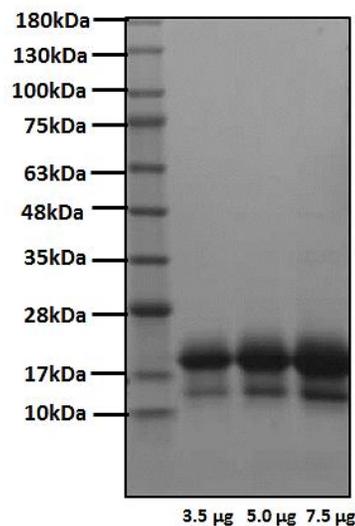
- Animal-derived product free
- High Activity
- Authentic Glycosylation

DESCRIPTION:

IL4 is a pleiotropic cytokine and a potent lymphoid cell growth factor that stimulates the growth and survivability of certain B cells and T cells. It is produced by activated T cells and is a ligand for interleukin 4 receptor. The interleukin 4 receptor also binds to IL13, which may contribute to many overlapping functions of this cytokine and IL13. STAT6, a signal transducer and activator of transcription, has been shown to play a central role in mediating the immune regulatory signal of this cytokine. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

BIOLOGICAL ACTIVITY:

ED₅₀ is typically 0.1 to 0.5 ng/mL. The specific activity was determined by the dose-dependent stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line).



Human CellExp™ Human Recombinant IL-4

RELATED PRODUCTS:

- IL-4, human recombinant (Cat # 4137-10, -50, -1000)
- IL-4, murine recombinant (Cat # 4138-10, -1000)
- IL-4, rat recombinant (Cat # 4139-10, -1000)
- IL-4 Antibody (Cat # 5137-200)

FOR RESEARCH USE ONLY! Not to be used in humans.