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IL 4 Human, HEK

Interleukin-4 Human Recombinant, HEK
CYK0330

Product Overview

Name	IL 4 Human, HEK
Description	
Interleukin-4 Human Recombinant, HEK	
Accession (Primary)	P05112
Synonyms	
BCGF, BCDF, B cell stimulating factor, BSF-1, Lymphocyte stimulatory factor 1, IL-4, MGC79402, Binetrakin, Pitrakinra.	
Introduction	
IL4 is a pleiotropic cytokine produced by activated T cells. IL4 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. This gene, IL3, IL5, IL13, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL13. IL4, IL13 and IL5 are found to be regulated coordinately by several long-range regulatory elements in an over 120 kilobase range on the chromosome. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.	
Source	
HEK.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The IL-4 was lyophilized from a 0.2 μm filtered protein solution (0.68mg/ml) in 1xPBS.	
Stability	
Lyophilized IL-4 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL4 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 95% as obsereved by SDS-PAGE.	
Biological Activity	

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The activity was determined by the dose dependent stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line) and was found to be 0.17ng/ml.

Solubility

It is recommended to reconstitute the lyophilized IL-4 in sterile 1xPBS containing 0.1% endotoxin-free recombinant HSA.

Precautions

IL 4 Human, HEK is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P05112)