Recombinant Rat IL-4

20150227BB

FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	**R20-007S**
Size:	5 µg
Lot. No.:	According to product label

Scientific Background

Gene-ID (NCBI):	*287287*
Synonyms:	Il4; Il4e12

Interleukin 4 (IL-4) is a pleiotropic cytokine produced by activated T cells, mast cells, and basophils. It was initially identified as a B cell differentiation factor (BCDF), as well as a B cell stimulatory factor (BSF1). IL-4 has since been shown to have multiple biological effects on hematopoietic and non-hematopoietic cells, including B and T cells, monocytes, macrophages, mast cells, myeloid and erythroid progenitors, fibroblasts, and endothelial cells. Rat, mouse and human IL-4 are species-specific in their activities.

Sequence

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MHGCNDSPLR EIINTLNQVT EKGTPCTEMF VPDVLTATRN
TTENELICRA SRVLRKFYFP RDVPPCLKNK SGVLGELRKL
CRGVSGLNSL RSCTVNESTL TTLKDFLESL KSILRGKYLQ SCTSMS
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Database References

Protein RefSeq:	NP_958427
Uniprot ID:	P20096
mRNA RefSeq:	NM_201270

Product Specifications

Expressed in	E. coli
Purity	> 98% by SDS-PAGE & HPLC analyses
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	126
MW:	14 kDa

Biological Activity: Tested by its ability to suppress LPS-induced TNF-α and MIP-2 production in mouse splenocytes.

AVOID REPEATED FREEZE AND THAW CYCLES!