
Product Data Sheet

Product Name: IL 17 Rat
 Cat. No.: GP20597
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	CTLA-8; IL-17; IL-17A; Cytotoxic T-lymphocyte-associated antigen 8; Interleukin-17A.		
Amino Acid Sequence	MAVLIPQSSV CPNAEANNFL QNVKVNLIKVL NSLSSKASSR RPSDYLNRS SPWTLSRNED PDRYPSVIWE AQCRHQRCVN AEGKLDHHMN SVLIQQEILV LKREPEKCPF TFRVEKMLVG VGCTCVSSIV RHAS.		
Solubility	It is recommended to reconstitute the lyophilized Interleukin Rat 17A in sterile 18MΩ-cm H ₂ O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from a concentrated (1mg/ml) solution containing 10mM NaCitrate, pH-3.0.		

Introduction

IL17 is a proinflammatory cytokine produced by activated T cells. IL-17 regulates the activities of NF-kappaB and mitogen-activated protein kinases. Interleukin-17 can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhance the production of nitric oxide (NO). High levels of IL-17 are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis.

Biological Activity

The ED50 as determined by dose-dependent induction of IL-6 by mouse NIH 3T3 fibroblasts is 0.44-0.66ng/ml.

Stability

Lyophilized Interleukin Rat 17A although stable at room temperature for 3 weeks, should

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be stored desiccated below -18°C . Upon reconstitution Rat IL17 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.

Background

Interleukin-17A Rat Recombinant produced in E.Coli is a homodimeric, non-glycosylated polypeptide chain having a molecular mass of 30 kDa. The IL-17A Rat is purified by proprietary chromatographic techniques.

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