
Product Data Sheet

Product Name: IL 17 Mouse
 Cat. No.: GP20592
 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.		
Amino Acid Sequence	MAAIPQSSA CPNTEAKDFL QNVKVNLIKVF NSLGAKVSSR RPSDYLNLRST SPWTLHRNED PDRYPSVIWE AQCRHQRCVN AEGKLDHMMN SVLIQQEILV LKREPESCPF TFRVEKMLVG VGCTCVASIV RQAA.		
Solubility	It is recommended to reconstitute the lyophilized Interleukin 17 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 no additives.		

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 the dose-dependant induction of IL-6 production in cultured mouse NIH 3T3 fibroblasts was found to be 0.4 ng/ml, corresponding to a specific activity of 2,500,000 units/mg.

Stability

Lyophilized Interleukin-17 although stable at room temperature for 3 weeks, should be

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stored desiccated below -18°C . Upon reconstitution 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-17 Murine Recombinant produced in E.Coli is a homodimeric, non-glycosylated polypeptide chain containing a total of 268 (2x134 a.a.) amino acids and having a molecular mass of 30 kDa. The IL-17 is purified by proprietary chromatographic techniques.

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