9051 Mira Mesa Blvd, #910094
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IL 17 Rat

Interleukin-17 Rat Recombinant
CYK0267

Product Overview

Name	IL 17 Rat
Description	
Interleukin-17 Rat Recombinant	
Accession (Primary)	Q61453
Synonyms	
CTLA-8, IL-17, IL-17A, Cytotoxic T-lymphocyte-associated antigen 8, Interleukin-17A.	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a concentrated (1mg/ml) solution containing 10mM NaCitrate, pH-3.0.	
Stability	
Lyophilized Interleukin Rat 17A although stable at room temperature for 3 weeks, should 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.	
Purity	
Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
MAVLIPQSSV CPNAEANNFL QNVKVNLKVL NSLSSKASSR RPSDYLNRST SPWTLSRNED PDRYPSVIWE AQCRHQRCVN AEGKLDHHMN SVLIQQEILV LKREPEKCPF TFRVEKMLVG VGCTCVSSIV RHAS.	
Biological Activity	
The ED50 as determined by dose-dependent induction of IL-6 by mouse NIH 3T3 fibroblasts is 0.44-0.66ng/ml.	

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Solubility

It is recommended to reconstitute the lyophilized Interleukin Rat 17A in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

IL 17 Rat is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q61453)