



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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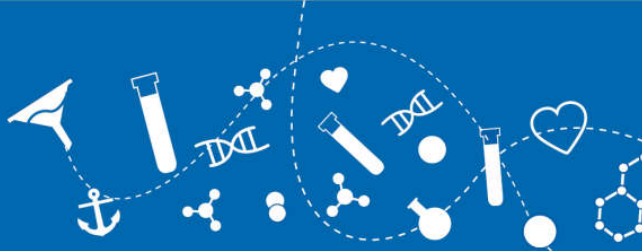
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## Interleukin-17A, rat recombinant (rrIL-17A)

**Catalog No:** 97084  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** CTLA-8, IL-17, IL-17A, Cytotoxic T-lymphocyte-associated antigen 8, Interleukin-17A

### Background

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.

### Description

Interleukin-17A rat recombinant produced in *E. coli* is a homodimeric, non-glycosylated polypeptide chain having a molecular mass of 30 kDa. IL-17A rat is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

### Formulation

Lyophilized from a concentrated (1 mg/ml) solution containing 10 mM Na citrate, pH 3.0.

### Solubility

It is recommended to reconstitute the lyophilized Interleukin-17A in sterile 18 M $\Omega$ -cm H<sub>2</sub>O not less than 100  $\mu$ g/ml, which can then be further diluted to other aqueous solutions.

### Stability

Lyophilized Interleukin 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

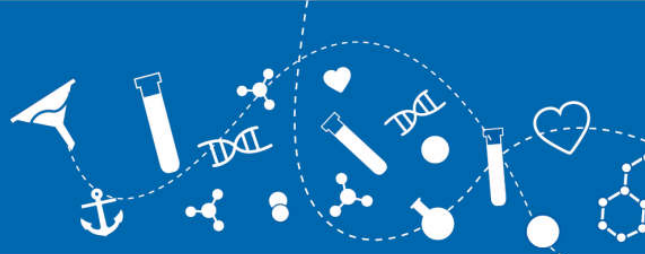
Greater than 95.0% as determined by (a) Analysis by RP-HPLC, (b) Analysis by SDS-PAGE.

### Amino Acid Sequence

MAVLIPQSSV CPNAEANNFL QNVKVNLIKVL NSLSSKASSR RPSDYLNIRST SPWTLARNED PDRYPSVIWE AQCRHQRCVN  
AEGKLDHNMN SVLIQQEILV LKREPEKCPF TFRVEKMLVG VGCTCVSSIV RHAS

### Activity

Rat IL-17A is fully biologically active when compared to standards via dose-dependent induction of IL-6 production in cultured mouse NIH 3T3 fibroblasts. The ED50 for recombinant rat IL-17A in this assay was 30 ng/ml. The specific activity is 33333.33 units/mg.



**Usage**

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