



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 



## Interleukin-17A, human recombinant (rHuIL-17A)

**Catalog No:** 94896  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** CTLA-8, IL-17, IL-17A, Cytotoxic T-lymphocyte-associated antigen 8

### 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 human recombinant produced in *E. coli* is a homodimeric, non-glycosylated polypeptide chain containing a total of 264 amino acids (2 chains of 132 aa) and having a molecular mass of 31 kDa. IL-17 is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

### Formulation

Sterile filtered lyophilized (freeze-dried) powder, with 20 mM citrate, 0.1 M NaCl, pH4.5.

### Solubility

It is recommended to reconstitute the lyophilized Interleukin-17 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 IL-17 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 SDS-PAGE.

### Activity

The ED<sub>50</sub> as determined by the dose-dependent induction of IL-6 in Hs68 cell line was found to be approximately 2 ng/ml corresponding to a specific activity of 500,000 IU/mg.

### Usage

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