



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Interleukin-6, mouse recombinant (rmlL-6)

**Catalog No:** 94950  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** IFN- $\beta$ 2, B cell differentiation factor (BCDF), BSF-2, HPGF, HSF, MGI-2, IL-6, Interleukin HP-1, B-cell hybridoma growth factor

### Background

Interleukin-6 is a potent pro-inflammatory cytokine primarily produced by activated T cells and an assortment of other cells including endothelial cells and macrophages. IL-6 affects B and T lymphocytes and has been shown to have a role in host defense, acute phase reactions, immune responses and hematopoiesis.

### Description

Interleukin-6 mouse recombinant produced in *E. coli* is a single, non-glycosylated polypeptide chain containing 187 amino acids and having a molecular mass of 21709 Dalton. IL-6 is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

### Formulation

Lyophilized from a 0.2  $\mu$ m filtered concentrated solution in PBS, pH 7.4.

### Solubility

It is recommended to reconstitute the lyophilized Interleukin-6 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-6, although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL-6 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 96.0% as determined by (a) Analysis by RP-HPLC, (b) Analysis by SDS-PAGE.

### Amino Acid Sequence

FPTSQVRRGD FTEDTTPNRP VYTTSQVGGI ITHVLWEIVE MRKELCNGNS DCMNNDALA ENNLKLPFIQ RNDGCVQYGY  
NQEICLLKIS SGLLEYHSYL EYMKNNLKDN KKDKARVLQR DTETLIHIFN QEVKDLHKIV LPTPISNALL TDKLESQKEW  
LRTKTIQFIL KSLEEFKVT LRSTRQT

### Activity

The ED<sub>50</sub> as determined by the dose-dependant stimulation of the proliferation of IL-6-dependent murine 7TD1 cells is <0.02 ng/ml, corresponding to a specific activity of >50,000,000 units/mg.



**Usage**

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