
Product Data Sheet

Product Name: IL 6 Rat
Cat. No.: GP20521
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	IFN-b2; B cell differentiation factor (BCDF); BSF-2; HPGF; HSF; MGI-2; IL-6; Interleukin HP-1; B-cell hybridoma growth factor.		
Amino Acid Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be Met-Phe-Pro-Thr-Ser.		
Solubility	It is recommended to reconstitute the lyophilized Interleukin-6 with 10mM HCl at a concentration of 0.1 mg/ml which can then be further diluted to other aqueous solutions.		
Formulation	The protein was lyophilized from 0.02% TFA.		

Introduction

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.

Biological Activity

The ED50 is less than 0.01 ng/ml as determined by dose-dependent stimulation of mouse 7TD1 cells.

Stability

Lyophilized Interleukin-6 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution IL6 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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Background

Interleukin-6 Rat Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 187 amino acids and having a molecular mass of 21732 Dalton. The IL6 is purified by proprietary chromatographic techniques.

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