
Product Data Sheet

Product Name: IL 6 Mouse, Sf9
 Cat. No.: GP20520
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Interleukin-6; IL-6; B-cell hybridoma growth factor; InterleukinHP-1.		
Amino Acid Sequence	FPTSQVRRGD FTEDTTPNRP VYTTSQVGGL ITHVLWEIVE MRKELCNGNSDCMNNDDALA ENNLKLPEIQ RNDGCYQTGY NQEICLLKIS SGLLEYHSYL EYMKNLKDKN KKDKARVLQRDTETLIHIFN QEVKDLHKIV LPTPISNALL TDKLESQKEW LRTKTIQFIL KSLEEFKVTLRSTRQTHHH HHH.		
Formulation	IL 6 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

IL-6 is a cytokine with a wide variety of biological functions: it plays an essential role in the final differentiation of b-cells into ig-secreting cells, it induces myeloma and plasmacytoma growth, it induces nerve cells differentiation, in hepatocytes it induces acute phase reactants.

Biological Activity

Measured in a cell proliferation assay using M-NFS-60 mouse B cell. The ED50 for this effect is less or equal to 0.1 ng/ml.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Interleukin-6 Mouse Recombinant produced in Sf9 Baculovirus cells is a single,

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Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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glycosylated polypeptide chain containing 193 amino acids (25-211a.a.) and having a molecular mass of 22.5kDa (Molecular size on SDS-PAGE will appear at approximately 18-28kDa). IL6 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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