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## Product Data Sheet

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Product Name: IL 6 Rhesus Macaque

Cat. No.: GP20523

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; B-cell stimulatory factor 2; IFN beta-2; Hybridoma growth factor; CTL differentiation factor; CDF; IL-6; HGF.		
Amino Acid Sequence	MAPVLPGEDS KNVAAPHSQP LTSSERIDKH IRYILDGISA LRKETCNRSN MCESSKEALA ENNLNLPKMA EKDGCFFQSGF NEDTCLVKII TGLLEFEVYL EYLQNRFESE EEQARAVQMS TKVLIQFLQK KAKNLDAITT PEPTTNASLL TKLQAQNQWL QDMTTHLILR SFKEFLQSNL RALRQM		
Solubility	It is recommended to reconstitute the lyophilized IL-6 in sterile 18M-cm H <sub>2</sub> O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.		

**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**

Fully biologically active when compared to standard. The ED<sub>50</sub> determined by a cell proliferation assay using IL-6-dependent murine 7TD1 cells is less than 0.1ng/ml, corresponding to a specific activity of > 1.0 6<sup>-L</sup> 10,000,000 IU/mg.

**Stability**

Lyophilized IL-6 although stable at room temperature for 3 weeks, should be stored

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

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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desiccated below  $-18^{\circ}\text{C}$  . Upon reconstitution IL-6 should be stored at  $4^{\circ}\text{C}$  between 2-7 days and for future use below  $-18^{\circ}\text{C}$  .Please prevent freeze-thaw cycles.

### Background

IL 6 Rhesus Macaque Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 186 amino acids and having a molecular mass of 21.1kDa.The IL 6 Rhesus Macaque is purified by proprietary chromatographic techniques.

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