

## 32-1419: rmlL 6 Recombinant Protein

**Alternative Name** IFN- $\beta$ , B cell differentiation factor, BCDF, BSF-2, HPGF, HSF, MGI-2, B-cell stimulatory factor 2, Interferon  $\beta$ , beta-2, Hybridoma growth factor, CTL differentiation factor, CDF, IL-6, HGF.

### Description

Source : Escherichia Coli. 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. 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.

### Product Info

<b>Amount :</b>	10 $\mu$ g
<b>Purification :</b>	Greater than 97.0% as determined by SDS-PAGE and HPLC analyses.
<b>Content :</b>	Lyophilized from a 0.2 $\mu$ m filtered concentrated solution in PBS, pH 7.4.
<b>Storage condition :</b>	Lyophilized IL-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. Please prevent freeze-thaw cycles.
<b>Amino Acid :</b>	MAPVLPGEDS KNVAAPHSQP LTSSERIDKH IRYILDGISA LRKETCNRSN MCESSKEALA ENNLNLPKMA EKDGCFSQSGF NEDTCLVKII TGLLEFEVYL EYLQNRFESE EEQARAVQMS TKVLIQFLQK KAKNLDAITT PEPTTNASLL TKLQAQNQWL QDMTTHLILR SFKEFLQSNL RALRQM

### Application Note

It is recommended to reconstitute the lyophilized IL-6 in sterile 18M-cm H<sub>2</sub>O not less than 100 $\mu$ g/ml, which can then be further diluted to other aqueous solutions. 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  $\times$  10,000,000 IU/mg.