



Product Datasheet

Product Name	Recombinant Human Interleukin-6, CHO
Cata No	CB500176
Source	Chinese Hamster Ovarian Cells
Synonyms	IFN-b2, B cell differentiation factor, BCDF, BSF-2, HPGF, HSF, MGI-2, B-cell stimulatory factor 2, Interferon beta-2, Hybridoma growth factor, CTL differentiation factor, CDF, IL-6, HGF.

Description

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.

Interleukin-6 Human Recombinant produced in CHO is a single, glycosylated polypeptide chain containing 185 amino acids and migrates at 22 kDa as a glycosilated protein on SDS-PAGE.

The IL6 is purified by proprietary chromatographic techniques.

Purity

Greater than 97.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

Specific Activity

The activity was measured in a cell proliferation assay using B9 cells. The ED50 for this effect is 8-20 pg/ml.

Storage

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.

Formulation

Lyophilized from a 0.2µm filtered concentrated (1mg/ml) solution in PBS, pH 7.4.

Solubility

It is recommended to reconstitute the lyophilized Interleukin-6 in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

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