

## IL 6 Human, CHO

**Description:** Interleukin-6 Human Recombinant produced in CHO is a single, glycosylated polypeptide chain containing 185 amino acids and migrates at 22 kDa as a glycosylated protein on SDS-PAGE. The IL6 is purified by proprietary chromatographic techniques.

**Catalog #:** CYPs-281

For research use only.

**Synonyms:** IFN- $\beta$ 2, 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.

**Source:** Chinese Hamster Ovarian Cells.

**Physical Appearance:** Sterile Filtered White lyophilized (freeze-dried) powder.

**Amino Acid Sequence:** APVPPGEDSK DVAAPHRQPL TSSERIDKQI RYILDGISAL  
RKETCNKSNM CESSKEALAE NNLNLPKMAE KDGCFSQGFN EETCLVKIIT GLLEFEVYLE  
YLQNRFESE EQARAVQMST KVLQFLQKK AKNLDAITTP DPTTNASLLT KLQAQNQWLQ  
DMTTHLILRS FKEFLQSSLR ALRQM.

**Purity:** Greater than 97.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

**Formulation:**

Lyophilized from a solution containing Phosphate- Buffered Saline pH-7.4.

**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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Solubility:**

It is recommended to reconstitute the lyophilized Interleukin-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.

**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:**

The activity was measured in a cell proliferation assay using B9 cells. The ED50 for this effect is 0.008-0.02ng/ml corresponding to a Specific Activity of 50-125,000,000IU/mg.

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