

Datasheet

Interleukin 6**Human Recombinant**

Product	Description	Catalogue-No.	Size
IL-6	Interleukin 6, human recombinant	CB-2130600 CB-2130603	5 µg 20 µg

Product description

Synonyms: 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.

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.

IL-6 human rec. produced in E. Coli is a single, non-glycosylated polypeptide chain containing 184 amino acids and having a molecular mass of 21000 Dalton. The IL-6 is purified by proprietary chromatographic techniques.

Solubility and storage conditions

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.

Lyophilized Interleukin-6 although stable at room temperature for 3 weeks, should be stored desiccated below -20°C. Upon reconstitution IL-6 should be stored at 2-8°C between 2-7 days and for future use below -20°C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Composition

Lyophilized from PBS, pH 7.4.

Purity: > 97.0% as determined by SDS-PAGE and RP-HPLC

Amino acid sequence: The sequence of the first five N-terminal amino acids was determined and was found to be Met-Pro-Val-Pro-Pro.

Biological activity: The ED₅₀ as determined by the dose-dependent stimulation of murine 7TD1 cells is less than 0.1ng/ml, corresponding to the specific activity of 1 x 10⁶ Units per mg.

Technical support

For technical support, questions or remarks please contact your local PAN-Biotech partner or the technical department of PAN-Biotech via email (info@pan-biotech.com) or phone +49-8543-601630.

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