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DATA SHEET

Interleukin-6 Rhesus Macaque Recombinant

Item Number	rAP-0530
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.
Description	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.
Uniprot Accesion Number	
Amino Acid Sequence	MAPVLPGEDS KNVAAPHSQP LTSSERIDKH IRYILDGISA LRKETCNRSN MCESSKEALA EN-NLNLPKMA EKDGCFQSGF NEDTCLVKII TGLLEFEVYL EYLQNRFESS EEQARAVQMS TKVLIQFLQK KAKNLDAITT PEPTTNASLL TKLQAQNQWL QDMTTHLILR SFKEFLQSNL RALRQM
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	Lyophilized from a 0.2μm filtered concentrated solution in PBS, pH 7.4. Greater than 97.0% as determined by SDS-PAGE and HPLC analyses.
Application	
Solubility	It is recommended to reconstitute the lyophilized IL-6 in sterile 18M-cm H2O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Fully biologically active when compared to standard. The ED50 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 × 10,000,000 IU/mg.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only