

Human Interleukin-6 / IL6 - Purified

Alternate names:	B-cell stimulatory factor 2, BSF-2, CDF, CTL differentiation factor, Hybridoma growth factor, IFNB2, IL-6, Interferon beta-2
Catalog No.:	AR10066PU-N
Quantity:	50 µg
Background:	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.
Uniprot ID:	P05231
NCBI:	9606
GeneID:	3569
Species:	Human
Source:	CHO cells
Format:	State: Sterile Filtered White lyophilized (freeze-dried) powder. Purity: >97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE. Buffer System: Phosphate- Buffered Saline pH 7.4 Reconstitution: Restore the lyophilized Interleukin-6 in sterile 18MΩ-cm ⁻¹ H ₂ O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.
Description:	Interleukin-6 Human Recombinant produced in CHO (Chinese Hamster Ovary) 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. Biological 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 Rt for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL6 should be stored at 2-8°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. Shelf life: One year from despatch.