

Interleukin-4 Human Recombinant, CHO

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| Item Number | rAP-0550 |
| Synonyms | BCGF, BCDF, B cell stimulating factor, BSF-1, Lymphocyte stimulatory factor 1, IL-4, MGC79402, B-netrakin, Pitrakinra. |
| Description | Interleukin-4 Human Recombinant produced in CHO is a single, non-glycosylated polypeptide chain containing 129 amino acids and having a molecular mass of 14 kDa, the glycosilation of IL-4 migrates as 18 kDa on SDS-PAGE. The IL-4 is purified by proprietary chromatographic techniques. |
| Uniprot Accession Number | P05112 |
| Amino Acid Sequence | |
| Source | Chinese Hamster Ovarian Cells. |
| Physical Appearance and Stability | Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Interleukin-4 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL4 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 and Purity | Lyophilized from a Phosphate-Buffered Saline (pH 7.4). Greater than 97.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE. |
| Application | |
| Solubility | It is recommended to reconstitute the lyophilized Interleukin-4 in sterile 18MΩ-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. |
| Biological Activity | Measured in a cell proliferation assay using TF-1 cells. The ED ₅₀ for this effect is 0.05-0.2ng/ml corresponding to a Specific Activity of 5,000,000-20,000,000IU/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**