

Rat IL 4 Recombinant Protein



RPPB0509

Product Information Protein Information

Product SKU:

RPPB0509

Accession:

P20096

Host:

Escherichia Coli.

Protein description:

Interleukin-4 Rat Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 125 amino acids and having a molecular mass of 14kDa. The IL-4 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

BCGF, BCDF, B cell stimulating factor, BSF-1, Lymphocyte stimulatory factor 1, IL-4, MGC79402, Binetrakin, Pitrakinra.

Formulation:

Lyophilized from a 0.2µm filtered concentrated solution in PBS pH 7.4 and 5% trehalose.

Purity:

Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Interleukin 4 in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

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.

Amino Acid Sequence:

HGCNDSPLR EIINTLNQVT EKGTPCTEMF VPDVLTATRN TTENELICRA SRVLRKFYFP RDVPPCLKNK
SGVLGELRKL CRGVSGLNLS RSCTVNESTL TTLKDFLES LKSILRGKYLQ SCTSMS.

Biological Activity:

The ED₅₀ as determined in a cell proliferation assay using rat splenocytes is less than 2ng/ml corresponding to a specific activity of 500,000IU/mg.