

Mouse IL 4 Recombinant Protein



RPPB0508

Product Information Protein Information

Product SKU:

RPPB0508

Accession:

P07750

Host:

Escherichia Coli.

Protein description:

Interleukin-4 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 120 amino acids and having a molecular mass of 13500 Dalton. The IL-4 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

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

Formulation:

Lyophilized from a 0.2µm concentrated (1mg/ml) solution in PBS pH 7.4.

Purity:

Greater than 96.0% 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 10mM HAc 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:

MHIHGCDKNH LREIIGILNE VTGEGTPCTE MDVFNVLAT KNTTESELVC RASKVLRIFY LKHGKTPCLK
KNSSVLMELQ RLFRAFRLCD SSISCTMNES KSTSLKDFLE SLKSIMQMDY S.

Biological Activity:

The ED50 as determined by the dose-dependant induction of HT-2 cell proliferation is less than 2 ng/ml corresponding to a Specific Activity of 500,000IU/mg.