

Human IL 4 Recombinant Protein



RPPB0511

Product Information Protein Information

Product SKU:

RPPB0511

Accession:

P05112

Host:

Pichia pastoris.

Protein description:

Interleukin-4 Human Recombinant produced in yeast is a single, glycosylated polypeptide chain containing 129 amino acids. 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:

The protein was lyophilized from 0.2µm filtered solution in 20mM sodium phosphate buffer pH 6.0 in absence of any carrier protein.

Purity:

Greater than 98% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Interleukin-4 in sterile 18M-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 Interleukin-4 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Biological Activity:

The biological activity is determined by measuring the dose-dependent proliferation of human TF-1 cells and CD23 expression. A concentration range of 0.1–10.0 ng/ml is effective for most in vitro applications. ED50 = 0.05–0.4ng/ml.