

Rhesus Macaque IL 4 Recombinant Protein



RPPB0510

Product Information Protein Information

Product SKU:

RPPB0510

Accession:

P51492

Host:

Escherichia Coli.

Protein description:

IL-4 Rhesus Macaque Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 129 amino acids and having a molecular mass of 14.9kDa. The IL4 Rhesus Macaque is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Interleukin-4, IL-4, B-cell stimulatory factor 1, BSF-1, Lymphocyte stimulatory factor 1, IL4.

Formulation:

Lyophilized from a 0.2µm filtered concentrated solution in 1xPBS, pH 7.4.

Purity:

Greater than 97.0% 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. Please prevent freeze-thaw cycles.

Amino Acid Sequence:

HNCHIALREI IETLNSLTEQ KTLCTKLTIT DILAASKNTT EKETFCRAAT VLRQFYSHHE KDTRCLGATA
QQFHRHKQLI RFLKRLDRNL WGLAGLNSCP VKEANQSTLE DFLERLKTIM REKYSKCSS.

Biological Activity:

The ED₅₀ as determined by the dose-dependent stimulation of TF1 cells is less than 0.2ng/ml, corresponding to a specific activity of >5.0×10⁶ IU/mg.