

Mouse IL 5 Recombinant Protein



RPPB0517

Product Information Protein Information

Product SKU:

RPPB0517

Accession:

P04401

Host:

Escherichia Coli.

Protein description:

Interleukin-5 Mouse Recombinant produced in E.Coli is a dimeric, non-glycosylated polypeptide chain containing 2 x 113 amino acids forming a disulfide linked homodimer and having a molecular mass of 26.2 kDa. The Mouse IL-5 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

EDF, BCDFII, TRF, T-cell replacing factor, Eosinophil differentiation factor, B cell differentiation factor II, IL-5, BCGF-II, Cytotoxic T-lymphocyte inducer, IL5.

Formulation:

Lyophilized from a concentrated (1mg/ml) solution containing 20mM Sodium Phosphate and 50mM NaCl pH-7.5.

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 Mouse Interleukin-5 in sterile 18MΩ-cm H₂O at a concentration of 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Mouse Interleukin-5 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Mouse IL5 should be stored at 4°C between 2-7 days and for future use below -18°C. Please avoid freeze thaw cycles.

Amino Acid Sequence:

MEIPMSTVVK ETLTQLSAHR ALLTSNETMR LPVPTHKNHQ LCIGEIQGL DILKNQTVRG GTVEMLFQNL SLIKKYIDRQ KEKCGEERRR TRQFLDYLQE FLGVMSTEWA MEG.

Biological Activity:

The ED₅₀ as determined by the dose-dependant stimulation of the proliferation of TF-1 cells was found to be 1.7ng/ml, corresponding to a specific activity of 588,235.3IU/mg.