

Interleukin-5 Mouse Recombinant

Item Number	rAP-0642
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.
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.
Uniprot Accession Number	P04401
Amino Acid Sequence	MEIPMSTVVK ETLTQLSAHR ALLTSNETMR LPVPTHKNHQ LCIGEIFQGL DILKNQTVRG GTVEMLFQNL SLIKKYIDRQ KEKCGEERRR TRQFLDYLQE FLGVMSTEW A MEG.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	Lyophilized from a concentrated (1mg/ml) solution containing 20mM Sodium Phosphate and 50mM NaCl pH-7.5. Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
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.
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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**