

IL5

Recombinant Rat Interleukin-5 (Insect cells)

Catalog No.	CRI140A CRI140B CRI140C	Quantity:	10 µg 25 µg 1.0 mg
Alternate Names:	EDF; TRF; IL-5; IL5, interleukin-5, T-cell replacing factor, B cell differentiation factor I, B-cell differentiation factor I, eosinophil differentiation factor		
Description:	Recombinant rat IL-5 has a MW = ~14 kDa per subunit; purified as a homodimer.		
Source:	Baculovirus infected insect cells		
Molecular Weight:	Sequential chromatography		
Formulation:	Lyophilized, carrier free. Filtered prior to lyophilization through a 0.22 micron sterile filter.		
Purity:	>95% as determined by SDS-PAGE analysis.		
Endotoxin Level:	<0.1 ng/µg		
Biological Activity:	ED ₅₀ range = 0.3-1.0 ng/ml, determined by the dose dependent proliferation of mouse BCL1 cells. The optimal concentration for each specific application should be determined by an initial dose-response assay.		
Reconstitution:	Centrifuge vial prior to opening. Reconstitute Lyophilized rat IL-5 in sterile, deionized water to 0.1-1.0 mg/ml to regain full activity. Stock solutions should be apportioned into working aliquots and stored at ≤-20°C. Further dilutions should be made in low endotoxin medium or buffered solution with FBS or tissue culture grade BSA.		
Storage & Stability:	Lyophilized rat IL-5 should be stored at 2-8°C, preferably desiccated. Store reconstituted rat IL-5 at ≤-20°C (not in a frost-free freezer). Avoid repeated freeze-thaw cycles.		
Applications:	The optimal concentration should be determined by the user for each specific application.		

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