

Recombinant Mouse Interleukin-3 (IL-3)

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Catalog Number:	PMC0034	PMC0035	PMC0031	PMC0033
Quantity:	10 µg	25 µg	100 µg	1 mg
Lot Number:	See product label.			
Molecular Weight:	16.1 kDa, 144 amino acid residues			
Purity:	>95% as determined by SDS-PAGE analysis.			
Amino Acid Sequence:	ASISGRDTHR LTRLNCSSV VKEIIGKLPE PELKTDDEGP SLRNKSFRRV NLSKFVESQG EVDPEDRYVI KSNLQKLNCC LPTSANDSAL PGVFIRDLDD FRKCLR FYMV HLNDLETVLT SRPPQPASGS VSPNRTGTEC			
Biological Activity:	ED ₅₀ range = 0.01–0.1 ng/mL (Specific Activity: 1.0 × 10 ⁸ –1.0 × 10 ⁷ units/mg), determined by the dose dependent proliferation of NFS-60 cells. Optimal concentration for individual application should be determined by a dose response assay.			
Formulation:	Lyophilized, carrier free.			
Sterility:	Filtered prior to lyophilization through a 0.22 micron sterile filter.			
Endotoxin:	<0.1 ng/µg			
Production:	Recombinant mouse IL-3 is produced in <i>E. coli</i> and purified via sequential chromatography.			
Reconstitution Recommendation:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Lyophilized mIL-3 should be reconstituted in deionized water to 0.1–1.0 mg/mL to regain full activity. These 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.			
Suggested Working Dilutions:	The optimal concentration should be determined for each specific application.			
Storage:	Lyophilized mIL-3 should be stored at 2°C to 8°C, preferably desiccated. Store reconstituted mIL-3 at ≤–20°C (not in a frost-free freezer). Keep freeze-thaw cycles to a minimum.			
Expiration Date:	Expires one year from date of receipt when stored as instructed.			
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

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Explanation of Symbols

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