

## IL3

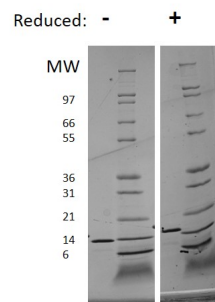
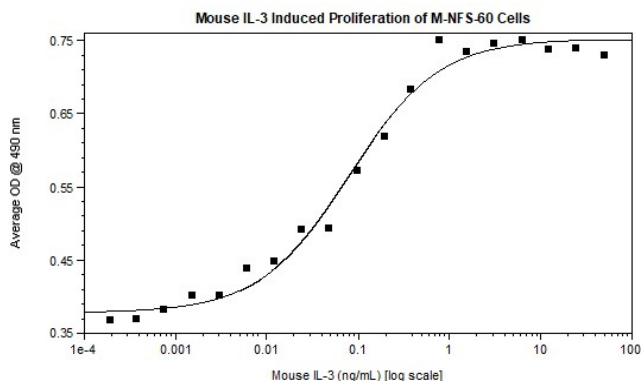
### Recombinant Mouse Interleukin-3, Animal Free

<b>Catalog No.</b>	CRI128A-AF CRI128B-AF CRI128C-AF	<b>Quantity:</b>	2 µg 10 µg 1.0 mg
<b>Alternate Names:</b>	interleukin-3, mast cell growth factor, mast-cell growth factor, P-cell stimulating factor, P-cell-stimulating factor, hematopoietic growth factor, multilineage-colony-stimulating factor, multipotential colony-stimulating factor		
<b>Description:</b>	IL-3 is a hematopoietic growth factor that promotes the survival, differentiation and proliferation of committed progenitor cells of the megakaryocyte, granulocyte-macrophage, erythroid, eosinophil, basophil and mast cell lineages. Produced by T cells, mast cells and eosinophils, IL-3 enhances thrombopoieses, phagocytosis, and antibody-mediated cellular cytotoxicity. Its ability to activate monocytes suggests that IL-3 may have additional immunoregulatory roles. Many of the IL-3 activities depend upon costimulation with other cytokines. IL-3 is species-specific, variably glycosylated cytokine. <b>Made without animal-derived components in an animal-free facility.</b>		
<b>Gene ID:</b>	16187		
<b>Uniprot ID:</b>	P01586		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	15.2 kDa (135 aa) monomer		
<b>Formulation:</b>	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)		
<b>Purity:</b>	> 95.0% by reducing and non-reducing SDS-PAGE		
<b>Endotoxin Level:</b>	<1 EU/µg, by kinetic LAL.		
<b>Biological Activity:</b>	ED <sub>50</sub> ≤250 pg/ml, as determined by the dose-dependent proliferation of murine M-NFS-60 cells.		
<b>Specific Activity:</b>	≥ 4.0 x 10 <sup>6</sup> units/mg		
<b>Amino Acid Sequence:</b>	MDTHRLTRL NCSSIVKEII GKLPEPELKT DDEGPSLRNK SFRRVNLSKF VESQGEVDPE DRYVIKSNLQ KLNCLPTSA NDSALPGVFI RDLDDFRKKL RFYMVHLNDL ETVLTSRPPQ PASGSVSPNR GTVEC		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at -20°C to -80°C. Further dilution should be made in appropriate buffered solutions.		



## Storage & Stability:

Stable at 2-8°C, recommended storage at -20°C to -80°C for up to 1 year. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. **Avoid repeated freeze/thaw cycles.**



## Mouse IL-3

Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Mouse IL-3 is a protein with a predicted MW of 15.2 kDa.

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**



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