

Recombinant Murine Interleukin-3 (IL-3)

CATALOG #:	4135-10	10 µg
	4135-1000	1 mg
LOT #:	_____	
SOURCE:	<i>E. coli</i>	
PURITY:	>98% by SDS-PAGE and HPLC analysis Endotoxin level is <0.1 ng per µg of IL-3.	
MOL. WEIGHT:	15.1 kDa	
FORMULATION:	Sterile filtered and lyophilized with no additives	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1 –1.0 mg/ml. The solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or –20°C for future use.

STORAGE CONDITIONS:

The lyophilized IL-3 is best-stored desiccated below 0°C. Reconstituted murine IL-3 should be stored at working aliquots at -20°C.

DESCRIPTION:

Interleukin-3 (IL-3) is a species-specific colony-stimulating factor that stimulates colony formation of megakaryocytes, neutrophils, and macrophages from bone marrow cultures. Recombinant murine IL-3 is a 15.1 kDa protein containing 135 amino acid residues.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by the dose-dependent stimulation of the proliferation of murine M-NFS-60 cells is ≤0.05 ng/ml, corresponding to a specific activity of ≥2 x 10⁷ units/mg.

FOR RESEARCH USE ONLY! Not to be used on humans.

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