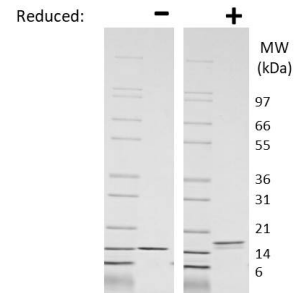
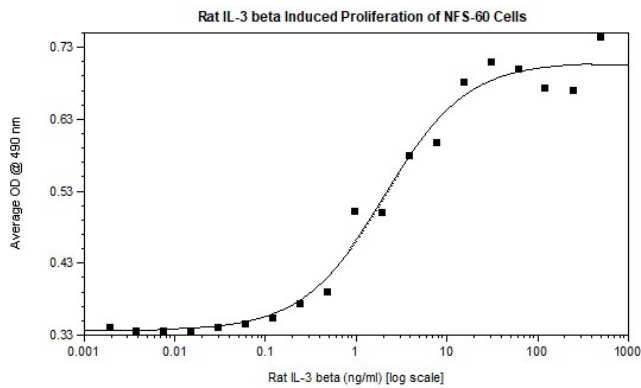


IL3

Rat IL-3 (beta), Animal Free

Catalog No.	CS700A-AF CS700B-AF CS700C-AF CS700D-AF	Quantity:	5 µg 25 µg 100 µg 1 mg
Alternate Names:	Interleukin-3, MCGF, Multi-CSF, HCGF, P-cell stimulating factor		
Description:	Interleukin 3 (IL-3) is a cytokine that is produced by activated T cells and mast cells. IL-3 induces the differentiation of hematopoietic stem cells into myeloid precursor cells, such as erythrocyte, megakaryocyte, granulocyte, monocyte, and dendritic cells. IL-3 also functions in the nervous system and is important during the B-1 cell regulation of chronic inflammatory diseases.		
GeneID:	24495		
UniProt ID:	P04823		
Source:	<i>E.coli</i> Manufactured in an Animal-Free facility, without Animal-Derived materials.		
Molecular Weight:	Monomer, 16.3 kDa (144 aa)		
Formulation:	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)		
Purity:	≥ 95% by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	≤ 1 EU/µg by Kinetic LAL		
Biological Activity:	ED ₅₀ ≤ 10 ng/ml, determined by NFS-60 cell proliferation.		
Specific Activity:	≥ 1.0 x 10 ⁴ units/mg		
Amino Acid Sequence:	MISDRGSDAH HLLRTLDCRT IALEILVKLP YPQVSGLNNS DDKANLRNST LRRVNLDEFL KSQEEFDSQD TTDIKSKLQK LKCCIPAAAS DSVLPGVYNK DLDDFKKKLR FYVIHLKDLQ PVSVSRPPQP TSSSDNFRPM TVEC		
Reconstitution:	Centrifuge vial before opening. Add sterile water at 0.1 mg/ml. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws.		
Storage & Stability:	Lyophilized product is stable at room temperature for shipping purposes. Upon receipt, store at -20°C to -80°C for up to 1 year. Upon reconstitution, the preparation is stable for up to one month at 2-8°C. For long term storage, prepare working aliquots and store at -20 to -80°C. For maximal stability, dilute to working aliquots in a 0.1% BSA solution. Avoid repeated freeze-thaw cycles.		





Rat IL-3 beta Gel

Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Rat IL-3 beta is predicted to have a MW of 16.3 kDa.

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



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