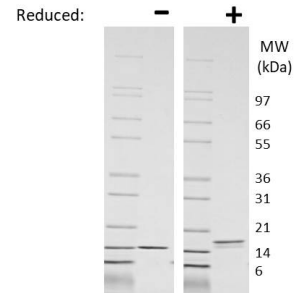
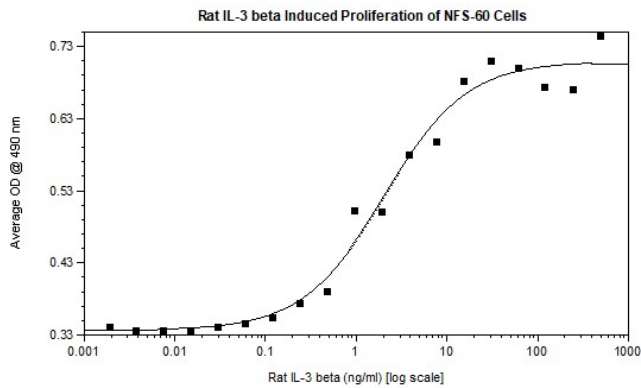


## IL3

### Rat IL-3 (beta)

<b>Catalog No.</b>	CS700A CS700B CS700C CS700D	<b>Quantity:</b>	5 µg 25 µg 100 µg 1 mg
<b>Alternate Names:</b>	Interleukin-3, MCGF, Multi-CSF, HCGF, P-cell stimulating factor		
<b>Description:</b>	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.		
<b>GeneID:</b>	24495		
<b>UniProt ID:</b>	P04823		
<b>Source:</b>	<i>E.coli</i>		
<b>Molecular Weight:</b>	Monomer, 16.3 kDa (144 aa)		
<b>Formulation:</b>	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)		
<b>Purity:</b>	≥ 95% 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> ≤ 10 ng/ml, determined by NFS-60 cell proliferation.		
<b>Specific Activity:</b>	≥ 1.0 x 10 <sup>4</sup> units/mg		
<b>Amino Acid Sequence:</b>	MISDRGSDAH HLLRTLDCRT IALEILVKLP YPQVSGLNNS DDKANLRNST LRRVNLDEFL KSQEEFDSQD TTDIKSKLQK LKCCIPAAAS DSVLPGVYNK DLDDFKKKLR FYVIHLKDLQ PVSVSRPPQP TSSSDNFRPM TVEC		
<b>Reconstitution:</b>	<b>Centrifuge vial before opening.</b> Add sterile water at 0.1 mg/ml. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. <b>DO NOT VORTEX.</b> 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.		
<b>Storage &amp; Stability:</b>	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. <b>Avoid repeated freeze-thaw cycles.</b>		





#### 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.**



**Cell Sciences®**  
65 Parker Street  
Unit 11  
Newburyport, MA 01950

Toll Free: 888-769-1246  
Phone: 978-572-1070  
Fax: 978-992-0298

E-mail: [info@cellsciences.com](mailto:info@cellsciences.com)  
Website: [www.cellsciences.com](http://www.cellsciences.com)