

Recombinant Human IL-3

Catalog No.	CRH311A	Quantity:	2 µg
	CRH311B		100 µg
	CRH311C		1 mg

Alternate Names: 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.

Protein Accession No: P08700

Source: *E. coli*

Molecular Weight: Monomer, 15.2 kDa (134 aa)

Formulation: Lyophilized from a sterile-filtered solution containing 0.1% Trifluoroacetic Acid (TFA).

Purity: ≥95% by reducing and non-reducing SDS-PAGE

Endotoxin Level: ≤1 EU/µg by kinetic LAL analysis

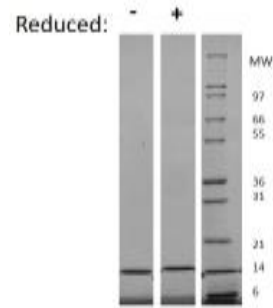
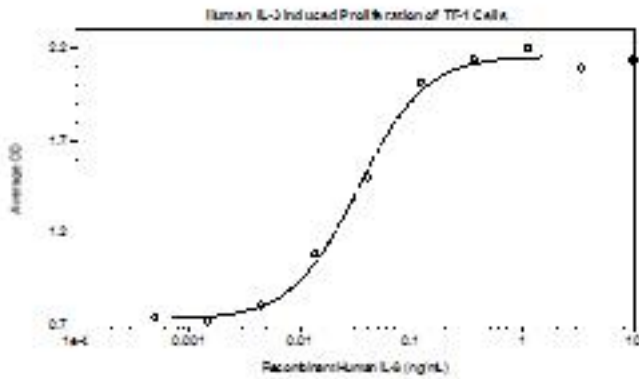
Biological Activity: Activity is determined by TF-1 cell proliferation assay and ED50 is typically ≤ 25 ng/mL.

Specific Activity: ≥ 5.0 x 10⁵ U/mg

Amino Acid Sequence: MAPMTQTTPL KTSWVNCSNM IDEIITHLKQ PPLPLLDFFNN LNGEDQDILM
ENNLRRPNLE AFNRAVKSLQ NASAIESILK NLLPCLPLAT AAPTRHPIHI
KGDWNEFRR KLTFYLKTL NAQAQQTLS LAIF

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipetting the solution up and down the sides of the vial. **DO NOT VORTEX.** Allow several minutes for reconstitution. A small amount of precipitate may be seen.

Storage & Stability: **Upon receipt,** store desiccated at -20 °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** reconstitute in working aliquots containing 0.1% BSA and store at -80 °C. **Avoid repeated freeze-thaw cycles.**



Human IL-3 Lot 0213-100-80

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

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



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