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RECOMBINANT HUMAN INTERLEUKIN-3

- CATALOG NUMBER:** IL003
- LOT NUMBER:** 21011336
- QUANTITY:** 10 µg
- DESCRIPTION:** Interleukin-3 (IL-3) is a species specific colony stimulating factor which stimulates colony formation of megakaryocytes, neutrophils, and macrophages from bone marrow cultures. Human IL-3 is a 15 kDa protein containing 133 amino acid residues.
- SOURCE:** E. coli
- PURITY:** Greater than 98% by SDS-PAGE and HPLC analyses. Endotoxin level is less than 0.1 ng per µg of IL-3.
- ACTIVITY:** Chemicon's human IL-3 is fully biologically active when compared to standards. The ED₅₀ as determined by the dose-dependent stimulation of the proliferation of human TF-1 cells is ≤0.1 ng/mL, corresponding to a specific activity of ≥1.0 x 10⁷ units/mg.
- APPLICATIONS:** For most *in vitro* applications, IL-3 exerts its biological activity in the concentration range of 0.1 to 1.0 ng/mL. Responding cells are (partial list): Certain BM precursor cells.
- PRESENTATION:** Lyophilized powder with no additives.
- STORAGE/HANDLING:** The lyophilized IL-3, though stable at room temperature, is best stored desiccated below 0°C. Reconstitute in water to a concentration of 0.1-1.0 mg/mL. This solution can be diluted into other buffered solutions. Reconstituted IL-3 should be stored in working aliquots at -20°C for up to 6 months.

For research use only; not for use as a diagnostic.