



RECOMBINANT MOUSE INTERLEUKIN-3

CATALOG NUMBER:	IL015
LOT NUMBER:	
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. Mouse IL-3 is a 15.1 kDa protein containing 135 amino acid residues.
SOURCE:	<i>E. coli</i>
PURITY:	Greater than 98% by SDS-PAGE and HPLC analysis. Endotoxin level is less than 0.1 ng per µg (1EU/µg) of mouse IL-3.
ACTIVITY:	Chemicon's mouse IL-3 is fully biologically active when compared to standards. The ED ₅₀ 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 ≥ 2x10 ⁷ units/mg..
APPLICATIONS:	For most <i>in vitro</i> applications, mouse IL-3 exerts its biological activity in the concentration range of 0.1 to 10.0 ng/mL. Responding cells are (partial list): Certain BM precursor cells.
PRESENTATION:	Sterile filtered and lyophilized protein with no additives.
STORAGE/HANDLING:	The lyophilized powder, though stable at room temperature, is best stored desiccated at -20°C. After a quick spin, reconstitute with sterile water to a concentration of 0.1-1.0 mg/mL. This solution can be diluted into other aqueous buffers and stored at 4°C for one week or at -20°C for future use. Reconstituted mouse IL-3 should be stored in undiluted aliquots at -20°C for up to six months.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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