



RECOMBINANT HUMAN INTERLEUKIN-3

CATALOG NUMBER: IL003

LOT NUMBER:

QUANTITY: 10 μ g

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 μ g of IL-3.

ACTIVITY: Millipore'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 \leq 0.1 ng/mL, corresponding to a specific activity of \geq 1.0 \times 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.

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 μ L 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.

**FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC
PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION**

Unless otherwise stated in our catalog or other company documentation accompanying the product(s), our products are intended for research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, *in vitro* diagnostic uses, *ex vivo* or *in vivo* therapeutic uses or any type of consumption or application to humans or animals.

©2002 - 2011: Millipore Corporation. All rights reserved. No part of these works may be reproduced in any form without permission in writing.