
Mouse IL-3 Recombinant Protein

Catalog Number: 14-8031

Also Known As: Interleukin-3, IL3

RUO: For Research Use Only

Product Information

Contents: Mouse IL-3 Recombinant Protein

REF Catalog Number: 14-8031

Handling Conditions: For best recovery, quick-spin vial prior to opening. Use in a sterile environment

Source: E. coli expressed amino acids ala 27-cys 166 of mature mouse IL-3 (accession # NM_010556).

Molecular Mass: The protein may be methionylated at the N-terminal and without the met has a predicted molecular mass of 15,673. The DTT reduced protein migrates as an 16 kDa polypeptide on SDS-PAGE. The non-reduced protein migrates as a 14 kDa polypeptide.

Purity: Greater than 98%, as determined by SDS-PAGE

Endotoxin Level: Less than 0.01 ng/ug cytokine as determined by the LAL assay.

Bioactivity: Measured by mouse MC/9 cell proliferation assay. The ED₅₀ is 0.1 ng/ml, corresponding to a specific activity of 1.0 x 10⁷ Units/mg.

Formulation: Sterile liquid: phosphate buffered saline, pH 7.2, 150 mM NaCl, 1.0% BSA. 0.22 µm filtered.



Temperature Limitation: Store at less than or equal to -70°C.



Batch Code: Refer to Vial



Use By: Refer to Vial

Description

Mouse IL-3, also called Mast Cell Growth Factor (MCGF), Multi-Colony Stimulating Factor (multi-CSF), Eosinophil-CSF (E-CSF), is produced by activated T cells, mast cells and eosinophils. IL-3 is a hematopoietic growth factor that stimulates colony formation of erythroid, megakaryocyte, neutrophil, eosinophil, basophil, mast cell and monocytic lineages. Most of these functions are enhanced or dependent on co-stimulation with other cytokines.

Applications Reported

Recombinant mouse IL-3 is biologically active.

Applications Tested

This reagent has been tested in bioassays with an observed ED₅₀ of 100 pg/ml, corresponding to a specific activity of approximately 1x10⁷ Units/mg.

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