

Recombinant Murine IL-3

Catalog # PBG10225

Specification

Recombinant Murine IL-3 - Product Information

Recombinant Murine IL-3 - Additional Information

Description

IL-3 is a hematopoietic growth factor that promotes the survival, differentiation and proliferation of committed progenitor cells of the megakaryocyte, granulocyte-macrophage, erythroid, eosinophil, basophil and mast cell lineages. Produced by T cells, mast cells and eosinophils, IL-3 enhances thrombopoieses, phagocytosis, and antibody-mediated cellular cytotoxicity. Its ability to activate monocytes suggests that IL-3 may have additional immunoregulatory roles. Many of the IL-3 activities depend upon co-stimulation with other cytokines. IL-3 is species-specific, variably glycosylated cytokine. Recombinant murine IL-3 is a 15.1 kDa globular protein containing 135 amino acid residues.

BiologicalActivity

The ED₅₀ as determined by the dose-dependent stimulation of the proliferation of murine NFS-60 cells is ≤ 0.05 ng/ml, corresponding to a specific activity of ≥ 2 x 10⁷ units/mg.

Authenticity

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin

Endotoxin level is $<0.1 \text{ ng}/\mu\text{g}$ of protein ($<1\text{EU}/\mu\text{g}$).

Protein Content

Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage

-20°C

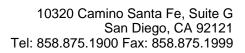
Precautions

Recombinant Murine IL-3 is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Murine IL-3 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence





• <u>Immunoprecipitation</u>

- Flow Cytomety
 Cell Culture

Recombinant Murine IL-3 - Images