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Animal-Free Recombinant Murine M-CSF
Catalog # PBG10551

Specification

Animal-Free Recombinant Murine M-CSF - Product Information

Animal-Free Recombinant Murine M-CSF - Additional Information

Description
M-CSF is a potent hematopoietic factor produced by a variety of cells including lymphocytes, monocytes, fibroblasts, endothelial cells, myoblasts and osteoblasts. It is a key regulator of cellular proliferation, differentiation, and survival of blood monocytes, tissue macrophages and their progenitor cells. M-CSF has been shown to play important roles in modulating dermal thickness, and male and female fertility. M-CSF is clinically used in the treatment of infection, malignancies and atherosclerosis. It facilitates hematopoietic recovery after bone marrow transplantation. The human is reactive in murine systems, but the murine molecule exhibits no activity on human cells. Recombinant murine M-CSF is a 36.4 kDa homodimeric protein containing two 156 amino acid polypeptide subunits.

BiologicalActivity
The ED₅₀ as determined by the dose-dependent stimulation of the proliferation of M-NFS-60 cells is < 1.0 ng/ml, corresponding to a specific activity of > 1 x 10⁶ units/mg.

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

Endotoxin
Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

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

Storage
-20°C

Precautions
Animal-Free Recombinant Murine M-CSF is for research use only and not for use in diagnostic or therapeutic procedures.

Animal-Free Recombinant Murine M-CSF - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Animal-Free Recombinant Murine M-CSF - Images