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32-20476: Recombinant Human M-CSF(Discontinued)

Reactivity : Human, Monkey, Mouse, Rat
Alternative Name : Macrophage Colony Stimulating Factor, CSF-1, MGI-IM

Description

Source:E.coliM-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 for blood monocytes, tissue macrophages, and their respective progenitor cells. M-CSF has been shown to play important roles in modulating dermal thickness and fertility. M-CSF is clinically used in the treatment of infection, malignancies and atherosclerosis. It facilitates hematopoietic recovery after bone marrow transplantation. Human M-CSF is reactive in murine systems, but the murine molecule exhibits no activity on human cells. Recombinant Human M-CSF is a 36.8 kDa homodimeric protein consisting of two 159 amino acid polypeptide subunits.

Product Info

Amount : 2 µg / 10 µg
Purification : Purity:>= 98% by SDS-PAGE gel and HPLC analyses.
Content : This recombinant protein is supplied in lyophilized form.
Amino Acid : MEEVSEYCSH MIGSGHLQSL QRLIDSQMET SCQITFEFVD QEQLKDPVCY LKKAFLLVQD IMEDTMRFRD NTPNAIAIVQ LQELSLRLKS CFTKDYEEHD KACVRTFYET PLQLLEKVKN VFNETKNLLD KDWNIFSKNC NNSFAECSSQ GHERQSEGS

Application Note

TheÃ Â ED_{50}Ã Â was determined by the dose-dependent stimulation of the proliferation of murine M-NSF-60 cells <=1 ng/ml, corresponding to a specific activity of>= 1 x 10^6Ã Â units/mg.Ã Â

For Research Use Only. Not for use in diagnostic/therapeutics procedures.