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32-20512: Recombinant Rat M-CSF(Discontinued)

Reactivity : 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.Â Recombinant Rat M-CSF is a 36.2 kDa homodimeric protein consisting of two 155 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 : MEVSEHCSHM IGNGHLQILQ QLIDSQMETA CLIEYKFVDQ EQLDDPVCYL KKAFVLVQVI IEETMRFKDN TPNANATERL QELSMKLNSC FIKDYKEQNE ACVQTYKESP LRLLEKIKNF FNETKNFLEK DWNIFSKNCN DSLAKCSSRD VVTKP

Application Note

TheÃ□Â ED_{50}Ã□Â was determined by the dose-dependent stimulation of the proliferation of murine M-NFS-60 cells is <=5.0 ng/ml, corresponding to a specific activity of>=Ã□Â 2 x 10^5Ã□Â units/mg.