

For Research Use Only. Not For Use In Diagnostic Procedures

Version 2.0

重组小鼠粒细胞巨噬细胞集落刺激因子

Recombinant Mouse GM-CSF

Do not eat



Cat.No. MGS1252

Lot.No : Refer to Vial

Product Size : 10ug ☐ 50ug ☐ 500ug ☐Technical literature is available at: www.mesgenbio.com.E-mail MesGen Technical Services if you have questions on use of this system: tech@mesgenbio.com

Accession #: P01587

Known as: Granulocyte-Macrophage Colony-Stimulating Factor; GM-CSF; Colony-Stimulating Factor; CSF; Molgramostin; Sargramostim; CSF2; GMCSF

Description

Recombinant Mouse Granulocyte-Macrophage Colony Stimulating Factor is produced by our Mammalian expression system and the target gene encoding Ala18-Lys141 is expressed with a 6His tag at the C-terminus.

Formulation

Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4.

Quality control

Greater than 95% as determined by reducing SDS-PAGE.

Endotoxin

Less than 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL test.

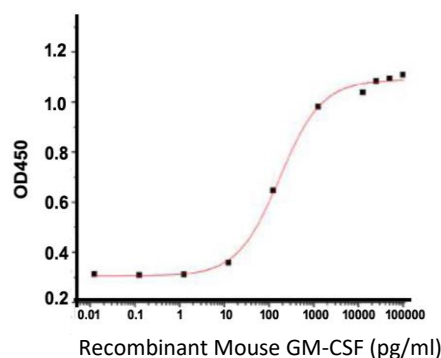
Background

Granulocyte Macrophage Colony Stimulating Factor (GM-CSF) was initially characterized as a growth factor that can support the in vitro colony formation of granulocyte-macrophage progenitors. It is produced by a number of different cell types (including activated T cells, B cells, macrophages, mast cells, endothelial cells and fibroblasts) in response to cytokine of immune and inflammatory stimuli. Besides granulocyte macrophage progenitors, GM-CSF is also a growth factor for erythroid, megakaryocyte and eosinophil progenitors.

On mature hematopoietic, monocytes/ macrophages and eosinophils. GM-CSF has a functional role on nonhematopoietic cells. It can induce human endothelial cells to migrate and proliferate. Additionally, GM-CSF can also stimulate the proliferation of a number of tumor cell lines, including osteogenic sarcoma, carcinoma and adenocarcinoma cell lines.

Bioactivity

Measured in a cell proliferation assay using FDC-P1 cells. The ED50 for this effect is 40-170 pg/ml.

**Reconstitution**

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage condition

Lyophilized protein should be stored at $< -20^{\circ}\text{C}$, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at $4-7^{\circ}\text{C}$ for 2-7 days. Aliquots of reconstituted samples are stable at $< -20^{\circ}\text{C}$ for 3 months.

产品仅供科学研究 禁止用于临床诊断

For Research Use Only.

Not For Use In Diagnostic Procedures.

