GM-CSF (human), (recombinant)

Granulocyte-macrophage colony-stimulating factor (GM-CSF) is hematopoietic growth factor produced by endothelial cells, monocytes, fibroblasts, and T cells. GM-CSF stimulates the production of neutrophilic granulocytes, macrophages, and mixed granulocyte-macrophage colonies from bone marrow cells. GM-CSF promotes immune system development and regulates neutrophil function during infection.

Ordering Information

Order Online »

ENZ-PRT252-0100	100µg

Manuals, SDS & CofA

View Online »

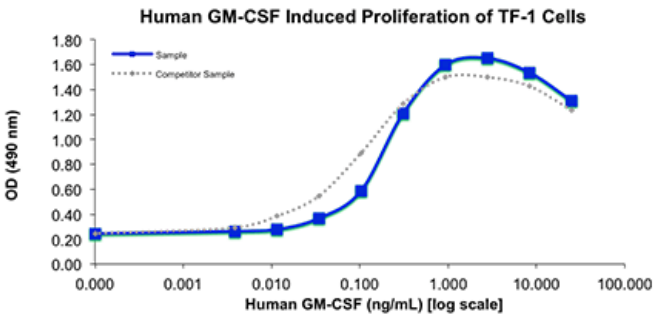

Figure 1: Serial dilutions of Human GM-CSF (starting at 25 ng/mL) were added to TF1 cells. After 66 hours, cell proliferation was measured and the linear portion of the curve can be used to calculate the ED50.

Handling & Storage

Handling	Avoid freeze/thaw cycles. After reconstitution, prepare aliquots and store at -80°C. For long term storage, it is recommended to dilute to working aliquots in a 0.1% BSA solution.
Long Term Storage	-80°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Granulocyte-macrophage colony stimulating factor, CSF-2, Pluripoietin-α, MGI1GM
Endotoxin Content	≤1 EU/µg protein (LAL test)
Formulation	Lyophilized from a sterile (0.2 micron) filtered solution containing 10 mM sodium phosphate, pH 7.5.
MW	~14.6kDa
Purity	≥95% (SDS-PAGE)
Reconstitution	Reconstitute in sterile water at 0.1 mg/mL.
Source	Produced in *E. coli*. Contains 128 amino acids.
UniProt ID	P04141

Last modified: May 29, 2024

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