Datasheet for ABIN2017898

G-CSF Protein (AA 31-208)

1 Image

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Overview

Quantity:	50 µg
Target:	G-CSF (CSF3)
Protein Characteristics:	AA 31-208
Origin:	Mouse
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Characteristics:	ED50 <0.02 ng/mL, measured in a cell proliferation assay using NFS-60 cells.
Purity:	> 95 % as analyzed by SDS-PAGE and HPLC.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

Target:	G-CSF (CSF3)
Alternative Name:	Granulocyte Colony-Stimulating Factor (G-CSF) (CSF3 Products)
Background:	Granulocyte Colony-Stimulating Factor (G-CSF), also known as CSF-3 and MGI-1G, is a cytokine and hormone belonging to the IL-6 superfamily. It is expressed by monocytes, macrophages, endothelial cells, fibroblasts and bone marrow stroma. G-CSF stimulates the bone marrow to produce granulocytes and stem cells, and specifically stimulates the proliferation and differentiation of the neutrophilic granulocyte lineage. G-CSF has been used to stimulate white

Target Details

	blood cell production after chemotherapy. It has also been used to boost the number of hematopoietic stem cells after bone marrow transplantation. Synonyms: Granulocyte Colony-Stimulating Factor, CSF-3, MGI-1G, GM-CSFb, pluripoietin
Molecular Weight:	22-24 kDa, observed by reducing SDS-PAGE.
UniProt:	P09920
Pathways:	Cellular Response to Molecule of Bacterial Origin, Regulation of Actin Filament Polymerization

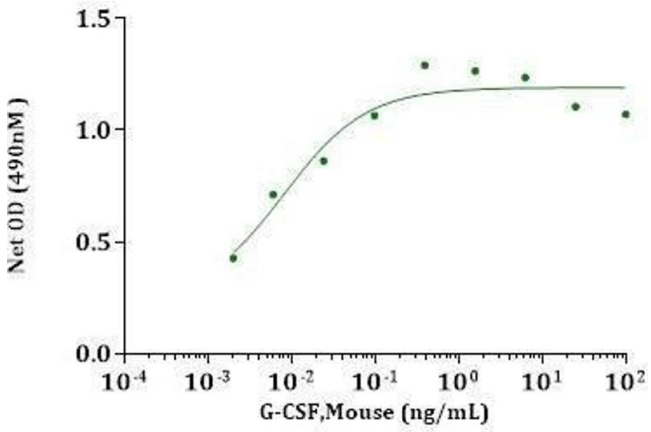
Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstituted in ddH2O or PBS at 100 µg/mL.
Buffer:	Lyophilized after extensive dialysis against PBS.
Storage:	-80 °C
Storage Comment:	Lyophilized recombinant murine G-CSF remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, murine G-CSF should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Expiry Date:	6 months

Images



Activity Assay

Image 1. G-CSF, Mouse stimulates cell proliferation of M-NFS-60 cells. The ED50 for this effect is less than 0.02 ng/mL.