

Recombinant Human GM-CSF

Cat. No.:MGC025 size : 10 μ g / 50 μ g / 1mg

Characteristics:

Source Chinese Hamster Ovary cell line

Description Human GM-CSF(Ala18-Glu144)
Accession # P04141

Predicted molecular mass 14.5 kDa

Specification:

Appearance White powder, Colorless clear liquid after reconstitution

Purity \geq 95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)

Endotoxin \leq 0.01EU/ μ g by the LAL method

Activity Measured in a cell proliferation assay using TF-1 cells. The ED₅₀ for this effect is \leq 0.2 ng/mL.

Formulation Lyophilized from a 0.22 μ m-filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4

Handling and Storage:

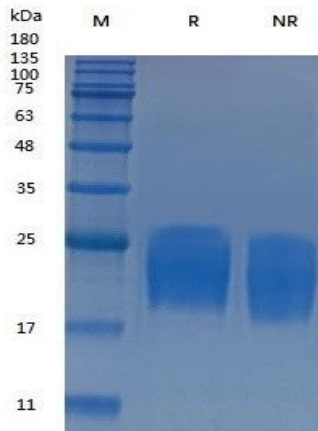
Reconstitution It is recommended to redissolve in sterile deionized water.

Shipping Wet ice (seasonal)

Storage & Stability 36 months at -20°C to -80°C in lyophilized state
6 months at -20°C to -80°C under sterile conditions after reconstitution
7-10 days at 2°C to 8°C under sterile conditions after reconstitution
Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

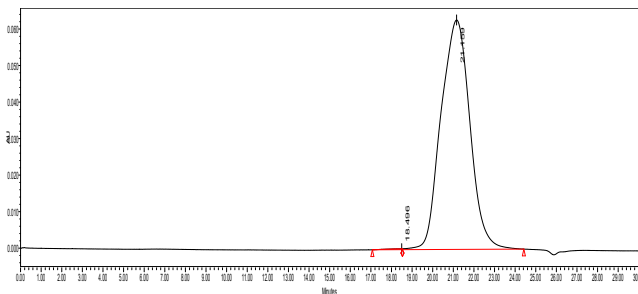
Data:

SDS-PAGE

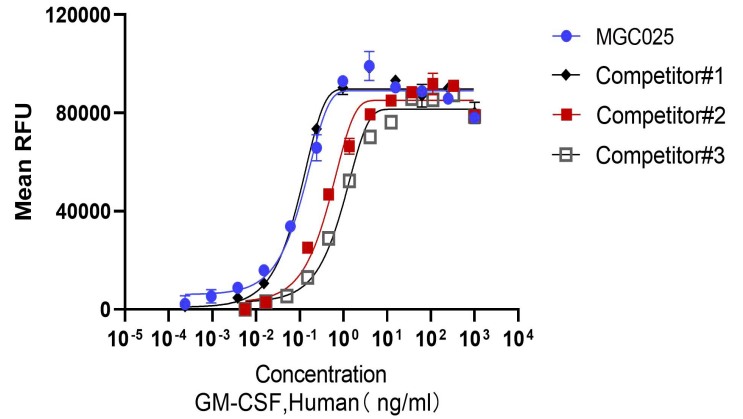


Recombinant Human GM-CSF (Cat. No. MGC025) SDS-PAGE under reducing (R) & Non-reducing conditions. The gel was stained with MGC025 SDS-PAGE.

SEC-HPLC



Bioactivity



Recombinant Human GM-CSF (Cat. No. MGC025) stimulates proliferation of TF-1 cells. The ED₅₀ for this effect is ≤0.2 ng/mL. Compared with other competitors in terms of bioactivity, MGC025 is equivalent to competitor # 1 > competitor # 2 > competitor # 3.