Mouse GM-CSF Protein

Cat. No. GCF-MM201

Description

Source	Recombinant Mouse GM-CSF Protein is expressed from HEK293 with hFc tag at the N-Terminus.
	It contains Ala18-Lys141.
Accession	P01587
Molecular Weight	The protein has a predicted MW of 39.64 kDa. Due to glycosylation, the protein migrates to 45-60 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

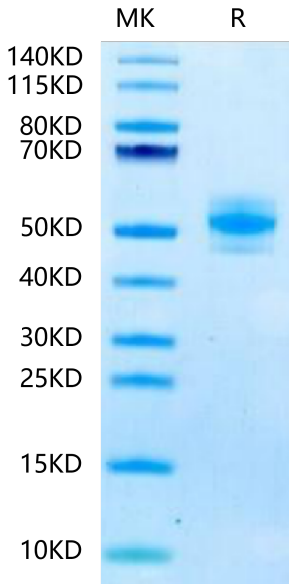
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Granulocyte-macrophage colony-stimulating factor (GM-CSF), also known as colony-stimulating factor 2 (CSF2), is a monomeric glycoprotein secreted by macrophages, T cells, mast cells, natural killer cells, endothelial cells and fibroblasts that functions as a cytokine. The pharmaceutical analogs of naturally occurring GM-CSF are called sargramostim and molgramostim.

Assay Data

Bis-Tris PAGE



Mouse GM-CSF on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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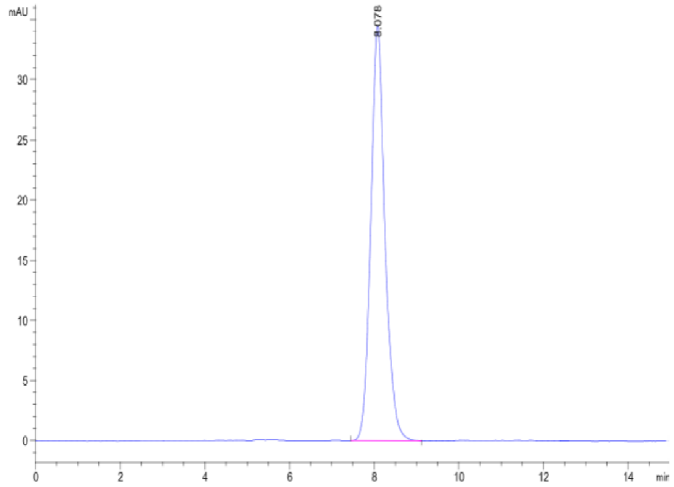
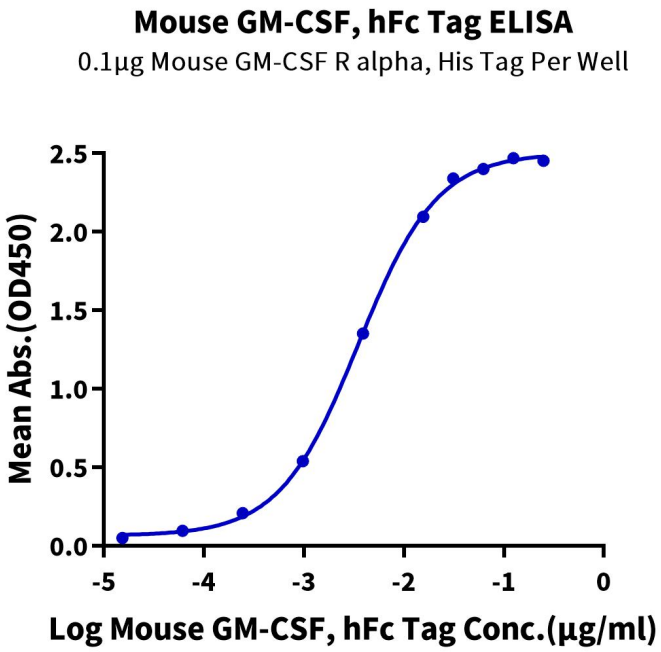
Assay Data



The purity of Mouse GM-CSF is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Mouse GM-CSF R alpha, His Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Mouse GM-CSF, hFc Tag with the EC50 of 3.5ng/ml determined by ELISA (QC Test).