Mouse M-CSF/CSF-1 Protein

Cat. No. CSF-MM001

Description

Source	Recombinant Mouse M-CSF/CSF-1 Protein is expressed from HEK293 without tag.
	It contains Lys33-Glu262.
Accession	P07141-1
Molecular Weight	The protein has a predicted MW of 25.98 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1EU per μg by the LAL method.
Purity	>95% as determined by Bis-Tris PAGE
	>95% as determined by HPLC

Formulation and Storage

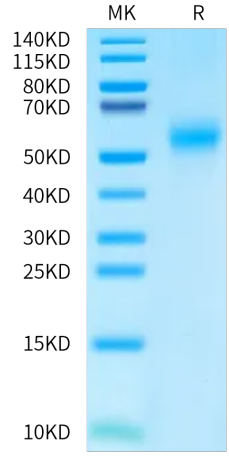
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled 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

CSF-1, also known as M-CSF , is a four alpha -helical-bundle cytokine that is the primary regulator of macrophage survival, proliferation and differentiation. CSF-1 is also essential for the survival and proliferation of osteoclast progenitors.CSF-1 is cytokine that plays an essential role in the regulation of survival, proliferation and differentiation of hematopoietic precursor cells, especially mononuclear phagocytes, such as macrophages and monocytes.

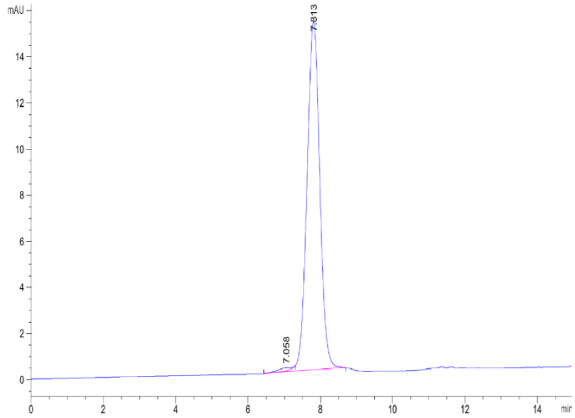
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



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

Mouse M-CSF/CSF-1 Protein

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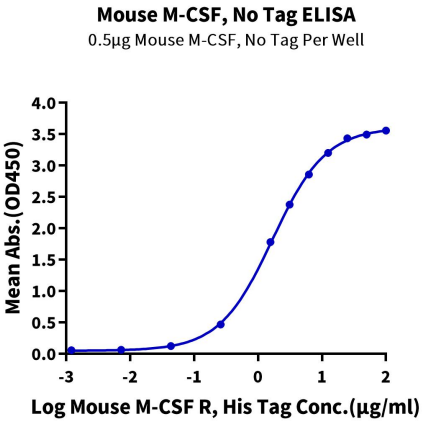
Assay Data

ELISA Data



Immobilized Mouse M-CSF, No Tag at 5μg/ml (100μl/well) on the plate. Dose response curve for Mouse M-CSF R, His Tag with the EC50 of 1.69μg/ml determined by ELISA (QC Test).