

Catalog Number: HZ-1192

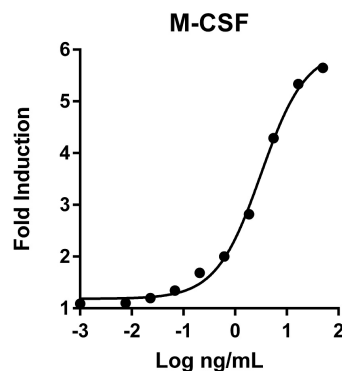
HEK293 expressed

Endotoxin-free

Animal-component free

Technical Specifications

Species	Human
Expression	HEK293
Activity	Typically ≤ 4 ng/mL EC50
Purity	>95%
Endotoxin	<1 EU/ μ g
Molecular Mass	35 and 40 kDa, homodimer, glycosylated
Formulation	1x PBS, See Certificate of Analysis for details
Gene ID	1435



The activity was determined by the dose-dependent stimulation of the proliferation of murine M-NFS-60 cells (Mouse Myeloid Leukemia indicator cell line) using Promega CellTiter96[®] Aqueous Non-Radioactive Cell Proliferation Assay.

Reconstitution Buffer

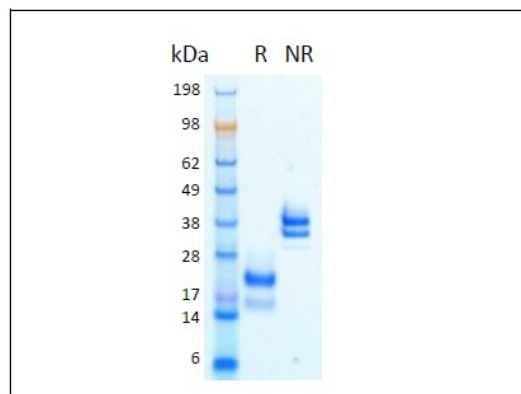
Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

Stability and Storage

Lyophilized proteins are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at (4°C) for short term or at (-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted products.

Product Description

Animal-free Recombinant Human M-CSF is expressed in human 293 cells and has an apparent molecular mass of 35 to 40 kDa due to glycosylation. M-CSF is a potent hematopoietic factor produced by a variety of cells including lymphocytes, monocytes, fibroblasts, endothelial cells, myoblasts, and osteoblasts. It is a key regulator of cellular proliferation, differentiation, and survival of blood monocytes, tissue macrophages, and their progenitor cells. This cytokine is produced in a human cell expression system with serum-free, chemically defined media.



The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue. R represents reducing conditions and NR represents non-reducing conditions.

Synonyms

Macrophage Colony Stimulating Factor, CSF-1, MGI-IM MCSF, M-CSF, CSF1, CSF 1, MGIIM, MGIIM

For technical support and original validation data for this product please contact:

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