

PRODUCT INFORMATION

Target M-CSF

Synonyms CSF-1;MCSF

Recombinant Human M-CSF with C-terminal **Description**

mouse Fc tag

Delivery In Stock **Uniprot ID** P09603 **HEK293 Expression Host**

Tag C-Mouse Fc Tag

Molecular

Storage & Shipping

Background

M-CSF(Glu33-Arg255) mFc(Pro99-Lys330) Characterization

The protein has a predicted molecular mass of **Molecular Weight**

51.2 kDa after removal of the signal peptide. The apparent molecular mass of M-CSF-mFc is approximately 55-75 kDa due to glycosylation.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

The protein encoded by this gene is a cytokine that controls the production, differentiation, and function of macrophages. The active form of the protein is found extracellularly as a disulfidelinked homodimer, and is thought to be produced

by proteolytic cleavage of membrane-bound precursors. The encoded protein may be involved in development of the placenta. Alternate splicing results in multiple transcript variants. [provided

by RefSeq, Sep 2011]

Usage Research use only

Conjugate Unconjugated

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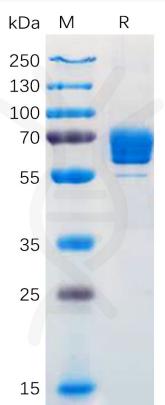


Figure 1. Human M-CSF Protein, mFc Tag on SDS-PAGE under reducing condition.

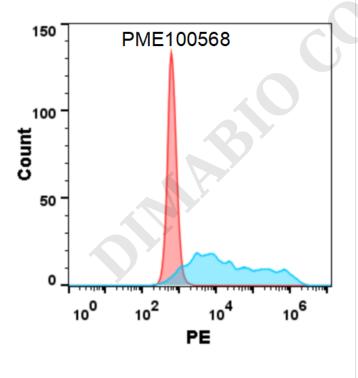


Figure 2. Flow cytometry analysis with 1 μ g/mL Human M-CSF Protein, mFc tag (PME100568) on HEK293 cells transfected with human CSF1R (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

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