PRODUCT INFORMATION

Target	M-CSF
Synonyms	CSF-1;MCSF
Description	Recombinant Human M-CSF with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P09603
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	M-CSF(Glu33-Arg255) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 26 kDa after removal of the signal peptide.The apparent molecular mass of M-CSF-His is approximately 25-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	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.
Background	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 disulfide-linked 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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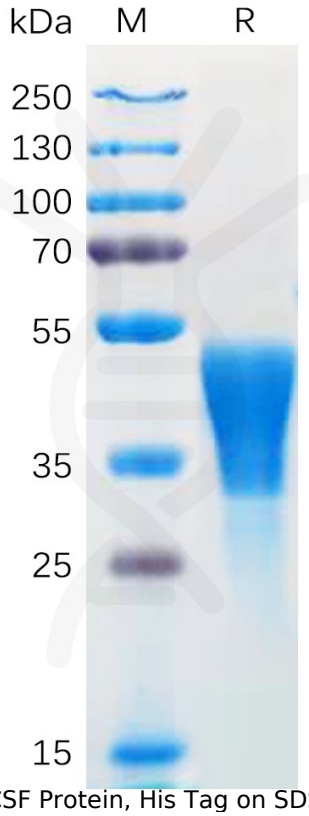


Figure 1. Human M-CSF Protein, His Tag on SDS-PAGE under reducing condition.

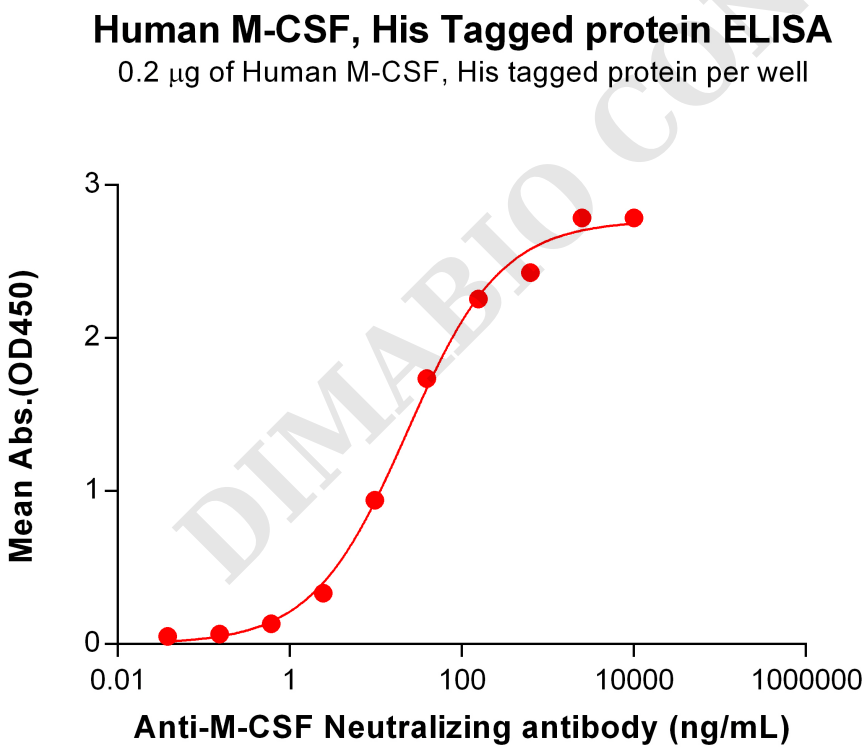


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human M-CSF Protein, His Tag (PME100569) can bind Anti-M-CSF Neutralizing antibody BME100104 in a linear range of 2.44–156.25 ng/mL.

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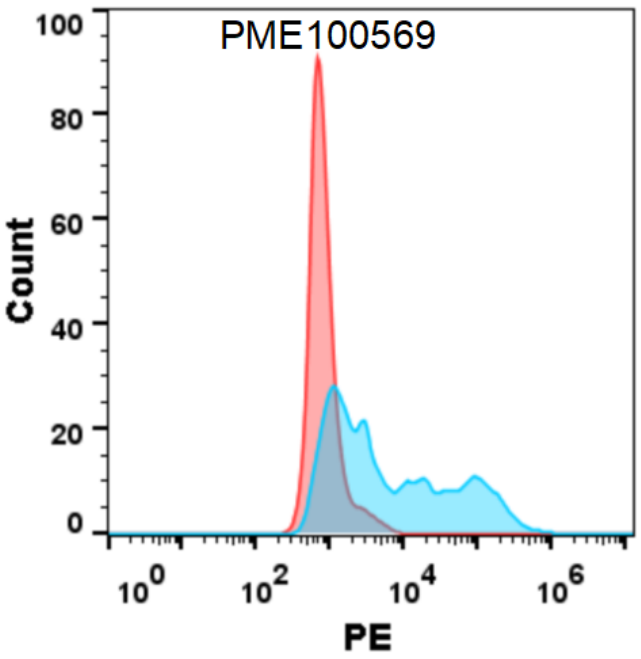


Figure 3. Flow cytometry analysis with 1 μg/mL Human M-CSF Protein, His tag (PME100569) on HEK293 cells transfected with human CSF1R (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

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