

HUMAN M-CSF PROTEIN, MFC TAG**Cat.#:** 11368**Product Name:** Human M-CSF Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** CSF-1;MCSF**Target:** M-CSF**UNIPROT ID:** P09603**Description:** Recombinant Human M-CSF with C-terminal mouse Fc tag**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]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 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.**Molecular Characterization:** M-CSF(Glu33-Arg255) mFc(Pro99-Lys330)**Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.**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.

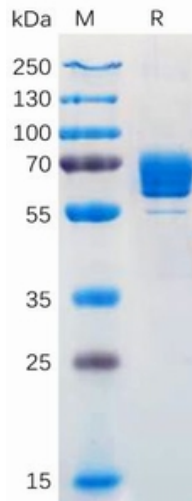


Figure 1. Human M-CSF Protein, mFc Tag on SDS-PAGE under reducing condition.

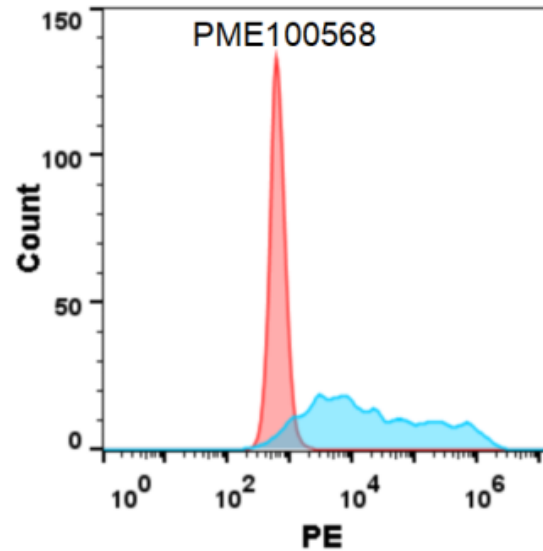


Figure 2. Flow cytometry analysis with 1 μ g/ml Human M-CSF Protein, mFc tag (11368) on Expi293 cells transfected with human CSF1R (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).