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.

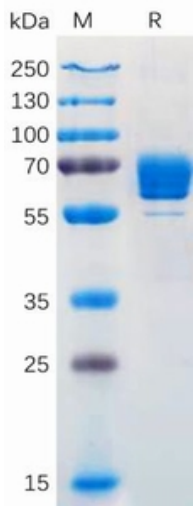

Figure 1. Human M-CSF Protein, mFc Tag on SDS-PAGE under reducing condition.

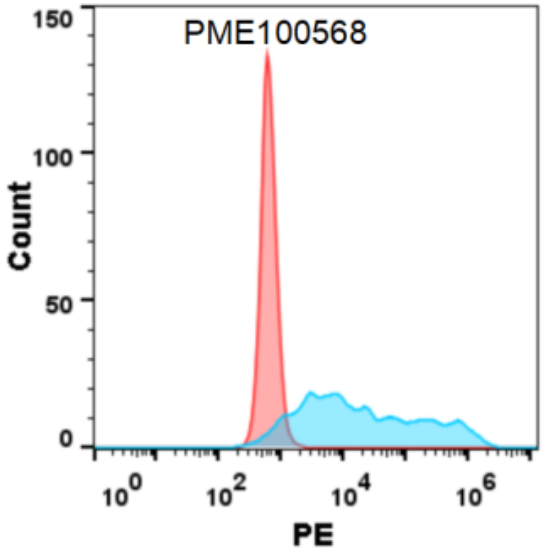

Figure 2. Flow cytometry analysis with 1 μg/ml Human M-CSF Protein, mFc tag (11368) on Expi293 cells transfected with human CSF1R (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).