

M-CSF Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP6754c**Specification**

M-CSF Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P09603](#)**M-CSF Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 1435**Other Names**

Macrophage colony-stimulating factor 1, CSF-1, M-CSF, MCSF, Lanimostim, Processed macrophage colony-stimulating factor 1, CSF1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6754c](/products/AP6754c) was selected from the Center region of human M-CSF. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

M-CSF Antibody (Center) Blocking Peptide - Protein Information**Name** CSF1**Function**

Cytokine that plays an essential role in the regulation of survival, proliferation and differentiation of hematopoietic precursor cells, especially mononuclear phagocytes, such as macrophages and monocytes. Promotes the release of pro-inflammatory chemokines, and thereby plays an important role in innate immunity and in inflammatory processes. Plays an important role in the regulation of osteoclast proliferation and differentiation, the regulation of bone resorption, and is required for normal bone development. Required for normal male and female fertility. Promotes reorganization of the actin cytoskeleton, regulates formation of membrane ruffles, cell adhesion and cell migration. Plays a role in lipoprotein clearance.

Cellular Location

Cell membrane; Single-pass type I membrane protein

M-CSF Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

M-CSF Antibody (Center) Blocking Peptide - Images

M-CSF Antibody (Center) Blocking Peptide - Background

CSF1 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. This protein may be involved in development of the placenta.

M-CSF Antibody (Center) Blocking Peptide - References

Lee, M.S., et al., J. Immunol. 183 (5), 3390-3399 (2009)