

**Product Name: MCSF (11G12) Rabbit Monoclonal Antibody**  
**Catalog #: AMRe13736**

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## Summary

<b>Production Name</b>	MCSF (11G12) Rabbit Monoclonal Antibody
<b>Description</b>	Rabbit Monoclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	CSF1
<b>Alternative Names</b>	CSF1; Csfm; MCSF; MGC31930; Macrophage colony stimulating factor;
<b>Gene ID</b>	1435.0
<b>SwissProt ID</b>	P09603.A synthetic peptide of human M-CSF

## Application

<b>Dilution Ratio</b>	WB: 1:1000
<b>Molecular Weight</b>	60kDa

## Background

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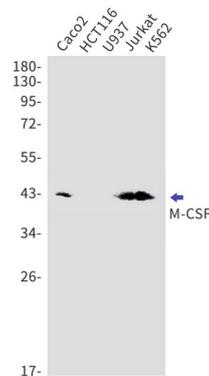
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CSF1, also known as MCSF, is a four- $\alpha$ -helical bundle cytokine that controls the production, differentiation, and function of macrophages. The active form of the protein is found extracellularly as a disulfide-linked homodimer, and is thought to be produced by proteolytic cleavage of membrane-bound precursors. This protein may be involved in development of the placenta. 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 proinflammatory 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.

## Research Area

## Image Data



Western blot detection of M-CSF in Caco2, HCT116, U937, Jurkat, K562 cell lysates using M-CSF antibody (1:1000 diluted).

## Note

For research use only.