

## Anti-MCSF/CSF1 Antibody PE Conjugated

Catalog Number: PB9562-PE

### About Csf1

M-CSF (or CSF-1) is a hematopoietic growth factor that is involved in the proliferation, differentiation, and survival of monocytes, macrophages, and bone marrow progenitor cells. M-CSF affects macrophages and monocytes in several ways, including stimulating increased phagocytic and chemotactic activity, and increased tumour cell cytotoxicity. The role of M-CSF is not only restricted to the monocyte/macrophage cell lineage. By interacting with its membrane receptor (CSF1R or M-CSF-R encoded by the c-fms proto-oncogene), M-CSF also modulates the proliferation of earlier hematopoietic progenitors and influence numerous physiological processes involved in immunology, metabolism, fertility and pregnancy.

### Overview

Product Name	Anti-MCSF/CSF1 Antibody PE Conjugated
Reactive Species	Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P07141

### Technical Details

Immunogen	E. coli-derived mouse MCSF recombinant protein (Position: K33-E262). Mouse MCSF shares 80.9 % and 88.6% amino acid (aa) sequence identity with human and rat MCSF, respectively.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	PE Excitation Wavelength: 566 nm Emission Wavelength: 574 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

## 1 Publications Citing This Product

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1. PubMed ID: 24907005, Pei Bx, Sun Bs, Zhang Zf, Wang Al, Ren P. J Thorac Cardiovasc Surg. 2014 Oct;148(4):1208-1216.E2. Doi: 10.1016/J.Jtcvs.2014.05.003. Epub 2014 May 9. Interstitial Tumor-Associated Macrophages Combined With Tumor-Derived Colony-Stimulating Factor-1 ...

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