

## Basic Information

Product Name	Anti-M-CSF/CSF1 Antibody		
Gene Name	CSF1		
Source	Rabbit		
Clonality	Polyclonal		
Isotype	IgG		
Species Reactivity	mouse, rat		
Tested Application	IHC, ELISA		
Contents	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg/ml BSA and 50% glycerol.		
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.		
Concentration	500 ug/ml		
Purification	Immunogen affinity purified.		
Dilution Ratios	Immunohistochemistry (IHC): 1:50-400 Enzyme linked immunosorbent assay (ELISA): 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer, pH6.0, or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.		

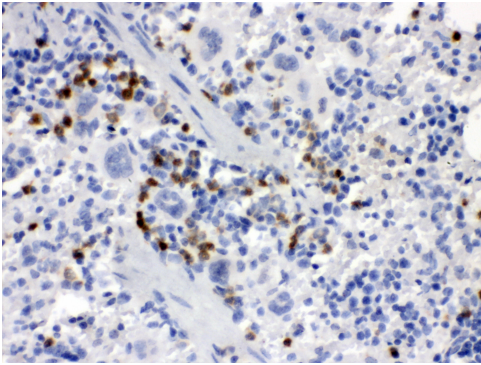
## Storage

12 months from date of receipt, -20°C as supplied.

## Background Information

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.

## Selected Validation Data



IHC analysis of M-CSF/CSF1 using anti-M-CSF/CSF1 antibody (PB0588). M-CSF/CSF1 was detected in a paraffin-embedded section of mouse spleen tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-M-CSF/CSF1 Antibody (PB0588) at a dilution of 1:200 and developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.