10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# MCSF Antibody

Rabbit mAb
Catalog # AP90401

## Product Information

| | |
|---|---|
| **Application** | WB, IHC, IF, ICC, IP, IHF |
| **Primary Accession** | P09603 |
| **Reactivity** | Human |
| **Clonality** | Monoclonal |
| **Other Names** | CSF1; Csfm; MCSF; MGC31930; Macrophage colony stimulating factor; |
| **Isotype** | Rabbit IgG |
| **Host** | Rabbit |
| **Calculated MW** | 60179 |

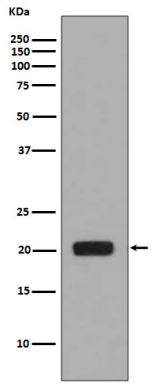
## Additional Information

| | |
|---|---|
| **Dilution** | WB 1:1000~1:1000 IHC 1:50~1:200 ICC/IF 1:50~1:100 IP 1:50 |
| **Purification** | Affinity-chromatography |
| **Immunogen** | A synthesized peptide derived from human MCSF |
| **Description** | CSF1, also known as MCSF, is a four-α-helicalbundle 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. |
| **Storage Condition and Buffer** | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |

## 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 |

## Images




Western blot analysis of MCSF expression in MCSF recombinant protein.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.