

CSF1 Antibody

Purified Mouse Monoclonal Antibody Catalog # AO1361a

Product Information

Application WB, IHC, E **Primary Accession** P09603 Reactivity Human Host Mouse Clonality Monoclonal **Clone Names** 2D10 Isotype IgG1 **Calculated MW** 60179

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.

Immunogen Purified recombinant fragment of human CSF1 expressed in E. Coli.

Formulation Ascitic fluid containing 0.03% sodium azide.

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

Dilution WB~~1/500 - 1/2000 IHC~~1/200 - 1/1000 E~~N/A

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

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions CSF1 Antibody is for research use only and not for use in diagnostic or

therapeutic procedures.

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

References

1. J Biol Chem. 1992 Feb 5;267(4):2190-9. 2. FEBS Lett. 1987 Oct 5;222(2):341-4. 3. Mol Reprod Dev. 1997 Jan;46(1):4-10.

Images

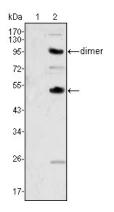


Figure 1: Western blot analysis using CSF1 mouse mAb against human recombinant CSF2(AA:18-144) (1) and CSF1(AA:33-496) (2).

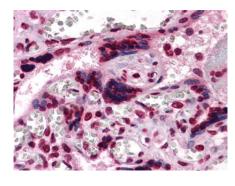


Figure 2: Immunohistochemical analysis of paraffin-embedded human Placenta tissues using anti-CSF1 mouse mAb

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