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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

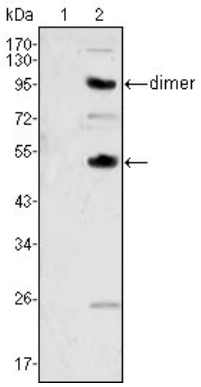

Figure 1: Western blot analysis using CSF1 mouse mAb against human recombinant CSF2(AA:18-144) (1) and CSF1(AA:33-496) (2).

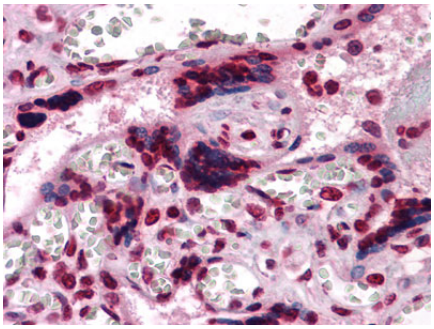

Figure 2: Immunohistochemical analysis of paraffin-embedded human Placenta tissues using anti-CSF1 mouse mAb