

### CSF1 / MCSF Antibody (clone 2D10)

Mouse Monoclonal Antibody Catalog # ALS13186

# **Specification**

# CSF1 / MCSF Antibody (clone 2D10) - Product Information

**Application** WB, IHC-P, E **Primary Accession** P09603 Reactivity Human Host Mouse Clonality **Monoclonal** Calculated MW 60kDa KDa Dilution WB~~1:1000 IHC-P~~N/A E~~N/A

# CSF1 / MCSF Antibody (clone 2D10) - 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

# Target/Specificity

Human CSF1

#### **Reconstitution & Storage**

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

#### **Precautions**

CSF1 / MCSF Antibody (clone 2D10) is for research use only and not for use in diagnostic or therapeutic procedures.

# CSF1 / MCSF Antibody (clone 2D10) - 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

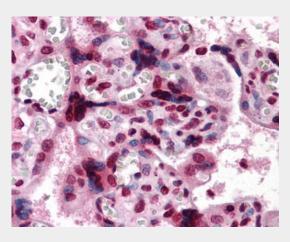
Volume 50 µl

# CSF1 / MCSF Antibody (clone 2D10) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# CSF1 / MCSF Antibody (clone 2D10) - Images



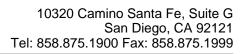
Anti-CSF1 / MCSF antibody IHC of human placenta.

#### CSF1 / MCSF Antibody (clone 2D10) - Background

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 proinflammatory 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.

# CSF1 / MCSF Antibody (clone 2D10) - References

Kawasaki E.S.,et al.Science 230:291-296(1985). Wong G.G.,et al.Science 235:1504-1508(1987). Cerretti D.P.,et al.Mol. Immunol. 25:761-770(1988). Takahashi M.,et al.Biochem. Biophys. Res. Commun. 161:892-901(1989).





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