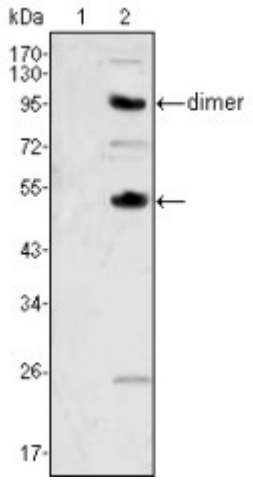
Anti-M-CSF antibody



Description	Mouse monoclonal to M-CSF.

Model	STJ98234
Host	Mouse
Reactivity	Human
Applications	ELISA, IHC, WB
Immunogen	Purified recombinant fragment of human M-CSF expressed in E. Coli.
Gene ID	1435
Gene Symbol	CSF1
Dilution range	WB 1:500-1:2000IHC 1:200-1:1000ELISA 1:10000
Specificity	M-CSF Monoclonal Antibody detects endogenous levels of M-CSF protein.
Purification	Affinity purification
Clone ID	2D10
Note	For Research Use Only (RUO).
Protein Name	Macrophage colony-stimulating factor 1 CSF-1 M-CSF MCSF Lanimostim Processed macrophage colony-stimulating factor 1
Clonality	Monoclonal
Conjugation	Unconjugated
Isotype	IgG1
Formulation	Ascitic fluid containing 0.03% sodium azide.

Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:2432OMIM:120420
Alternative Names	Macrophage colony-stimulating factor 1 CSF-1 M-CSF MCSF Lanimostim Processed macrophage colony-stimulating factor 1
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 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.
Cellular Localization	Cell membrane Processed macrophage colony-stimulating factor 1: Secreted, extracellular space.
Post-translational Modifications	N- and O-glycosylated. Glycosylation and proteolytic cleavage yield different soluble forms. One high molecular weight soluble form is a proteoglycan containing chondroitin sulfate. O-glycosylated with core 1 or possibly core 8 glycans. Isoform 1 is N- and O-glycosylated. Isoform 3 is only N-glycosylated.