

M-CSF Monoclonal Antibody

Catalog No :	YM0432
Reactivity :	Human
Applications :	WB;IHC;IF;ELISA
Target :	M-CSF
Fields :	>>MAPK signaling pathway;>>Ras signaling pathway;>>Rap1 signaling pathway;>>Cytokine-cytokine receptor interaction;>>Viral protein interaction with cytokine and cytokine receptor;>>PI3K-Akt signaling pathway;>>Osteoclast differentiation;>>Hematopoietic cell lineage;>>TNF signaling pathway;>>Alzheimer disease;>>Pathways of neurodegeneration - multiple diseases;>>Rheumatoid arthritis
Gene Name :	CSF1
Protein Name :	Macrophage colony-stimulating factor 1
Human Gene Id :	1435
Human Swiss Prot No :	P09603
Mouse Swiss Prot No :	P07141
Immunogen :	Purified recombinant fragment of human M-CSF expressed in E. Coli.
Specificity :	M-CSF Monoclonal Antibody detects endogenous levels of M-CSF protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:500 - 1:2000. IHC 1:200 - 1:1000. ELISA: 1:10000.. IF 1:50-200
Purification :	Affinity purification
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 60kD

Cell Pathway : Cytokine-cytokine receptor interaction;Hematopoietic cell lineage;

P 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.

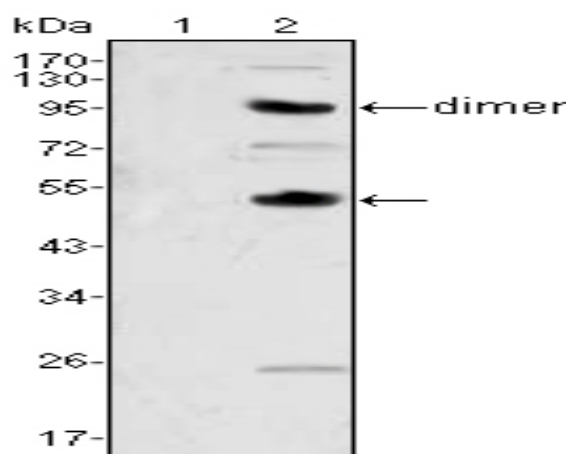
Background : The protein encoded by this gene is a cytokine that controls the production, differentiation, and function of macrophages. The active form of the protein is found extracellularly as a disulfide-linked homodimer, and is thought to be produced by proteolytic cleavage of membrane-bound precursors. The encoded protein may be involved in development of the placenta. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2011],

Function : function:Granulocyte/macrophage colony-stimulating factors are cytokines that act in hematopoiesis by controlling the production, differentiation, and function of 2 related white cell populations of the blood, the granulocytes and the monocytes-macrophages. CSF-1 induces cells of the monocyte/macrophage lineage. It plays a role in immunological defenses, bone metabolism, lipoproteins clearance, fertility and pregnancy.,PTM:Glycosylation and proteolytic cleavage yield different soluble forms. A high molecular weight soluble form is a proteoglycan containing chondroitin sulfate.,PTM:Isoform 1 is N- and O-glycosylated. Isoform 3 is N-glycosylated.,subunit:Homodimer or heterodimer; disulfide-linked.,

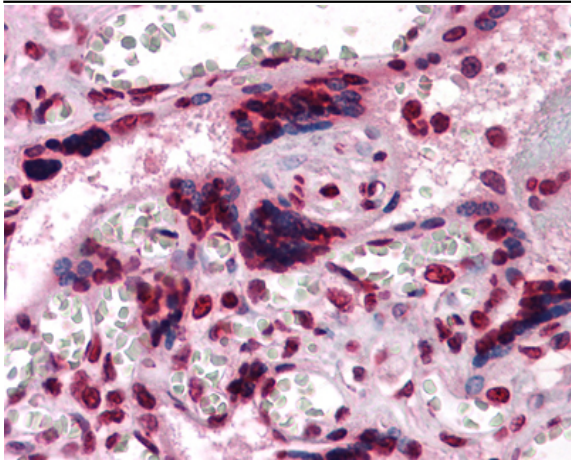
Subcellular Location : Cell membrane ; Single-pass type I membrane protein .; [Processed macrophage colony-stimulating factor 1]: Secreted, extracellular space.

Expression : Endometrium,Kidney,Pancreatic carcinoma,T lymphoblast,Trophoblast,Urine,

Products Images



Western Blot analysis using M-CSF Monoclonal Antibody against human recombinant CSF2 (1) and CSF1 (2).



Immunohistochemistry analysis of paraffin-embedded human Placenta tissues with AEC staining using M-CSF Monoclonal Antibody.