

For Research Use Only

M-CSF Recombinant antibody, PBS Only

Catalog Number: 84481-4-PBS



Basic Information

Catalog Number: 84481-4-PBS	GenBank Accession Number: BC021117	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 1435	CloneNo.: 241743C5
Source: Rabbit	UNIPROT ID: P09603	
Isotype: IgG	Full Name: colony stimulating factor 1 (macrophage)	
	Calculated MW: 60 kDa	
	Observed MW: 60 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

M-CSF plays an essential role in the regulation of survival, proliferation and differentiation of hematopoietic precursor cells, especially mononuclear phagocytes. M-CSF promotes the release of proinflammatory chemokines, and thereby plays an important role in innate immunity and in inflammatory processes. It also plays an important role in the regulation of osteoclast proliferation and differentiation, the regulation of bone resorption, and is required for normal bone development. On the cellular level, M-CSF promotes reorganization of the actin cytoskeleton, regulates formation of membrane ruffles, cell adhesion and cell migration and plays a role in lipoprotein clearance (PMID: 29734839; 29679908; 28202039)

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

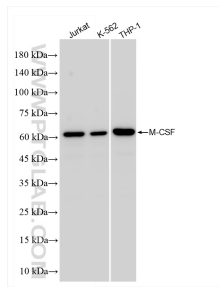
T: 4006900926

E: Proteintech-CN@ptglab.com

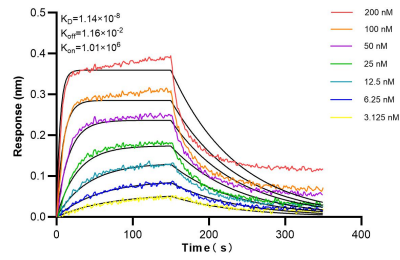
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84481-4-RR (MCSF antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84481-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84481-4-RR against Human M-CSF were performed. The affinity constant is 11.4 nM.