

For Research Use Only

M-CSF Recombinant antibody, PBS Only

Catalog Number: 84481-4-PBS



Basic Information

Catalog Number:

84481-4-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC021117

GeneID (NCBI):

1435

UNIPROT ID:

P09603

Full Name:

colony stimulating factor 1 (macrophage)

Calculated MW:

60 kDa

Observed MW:

60 kDa

Purification Method:

Protein A purification

CloneNo.:

241743C5

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.

Storage Buffer:

PBS Only

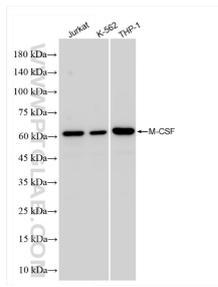
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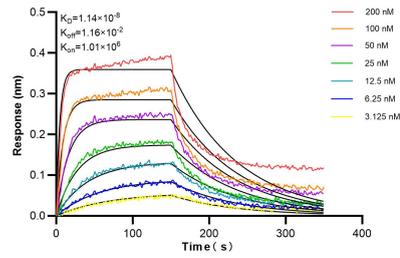
E: proteintech@ptglab.com
W: ptglab.com

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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.