

For Research Use Only

M-CSF Recombinant antibody

Catalog Number: 84481-4-RR



Basic Information

Catalog Number:

84481-4-RR

Size:

100ul , Concentration: 1000 µg/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

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : Jurkat cells, K-562 cells, THP-1 cells

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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

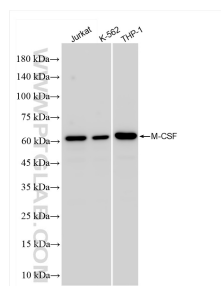
For technical support and original validation data for this product please contact:

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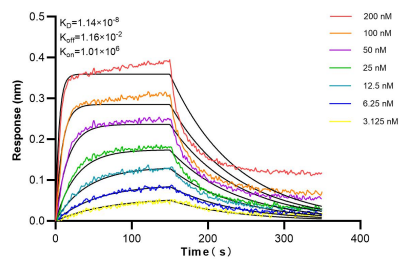
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W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.



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