

For Research Use Only

# CoraLite® Plus 647 Anti-Human M-CSF (3G12E6)



Catalog Number: **CL647-65283**

## Basic Information

<b>Catalog Number:</b> CL647-65283	<b>GenBank Accession Number:</b> BC021117	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.2 mg/mL	<b>GeneID (NCBI):</b> 1435	<b>CloneNo.:</b> 3G12E6
<b>Source:</b> Mouse	<b>Full Name:</b> colony stimulating factor 1 (macrophage)	<b>Excitation/Emission maxima wavelengths:</b> 654 nm / 674 nm
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 60 kDa	
<b>Immunogen Catalog Number:</b> HZ-1192		

## Applications

**Tested Applications:**  
FC

**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

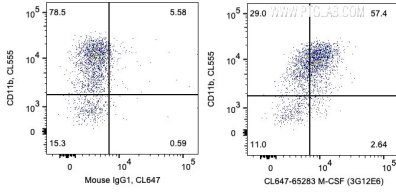
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide and 0.5% BSA.

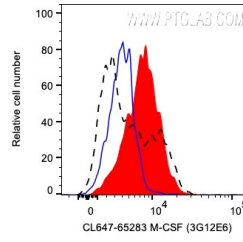
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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

## Selected Validation Data



1X10<sup>6</sup> LPS and TNF- $\alpha$  then Brefeldin A treated human PBMCs were surface stained with CoraLite® Plus 555 Anti-Human CD11b then intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human M-CSF (CL647-65283, Clone:3G12E6) or Mouse IgG1 Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). Monocytes were gated.



1X10<sup>6</sup> LPS and TNF- $\alpha$  then Brefeldin A treated human PBMCs were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human M-CSF (CL647-65283, Clone:3G12E6) (red) or Mouse IgG1 Isotype Control (blue), or unactivated then Brefeldin A treated human PBMCs were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human M-CSF (CL647-65283, Clone:3G12E6) (black, dashed line). Cells were fixed and permeabilized

