

For Research Use Only

# CoraLite® Plus 647 Anti-Mouse GM-CSF Rabbit Recombinant Antibody

Catalog Number: CL647-98014



## Basic Information

Catalog Number:

CL647-98014

Concentration:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0512

GenBank Accession Number:

NM-009969

GeneID (NCBI):

12981

UNIPROT ID:

P01587

Full Name:

colony stimulating factor 2  
(granulocyte-macrophage)

Purification Method:

Protein A purification

CloneNo.:

230286E11

Recommended Dilutions:

FC (Intra): 0.25 ug per 10<sup>6</sup> cells in  
100 µL suspension

Excitation/Emission maxima  
wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

mouse

Positive Controls:

FC (Intra): PMA and ionomycin stimulated C57BL/6  
CD3 T cells,

## Background Information

Gm-csf, also known as Csf2, is a monomeric glycoprotein secreted by macrophages, T cells, mast cells, NK cells, endothelial cells and fibroblasts that functions as a cytokine. Gm-csf was first characterized as a hematopoietic growth factor that stimulates the proliferation of myeloid cells from bone-marrow progenitors. Gm-csf is now recognized as an important activating and differentiation factor for immune cells, and is essential for a wide range of biological processes in both innate and adaptive immunity. Gm-csf has been shown to protect against pulmonary infection and intestinal inflammation, and it is necessary for normal pulmonary and colon homeostasis.

## 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, pH7.3

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

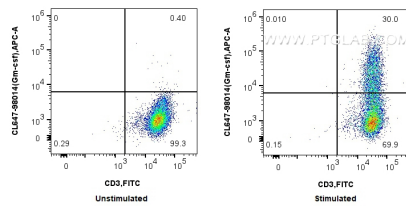
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## Selected Validation Data



1x10<sup>6</sup> unstimulated (left) or PMA and ionomycin stimulated (in the presence of protein transport inhibitors) (right) C57BL/6 CD3 T cells were intracellularly stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse Gm-csf Rabbit Recombinant Antibody (CL647-98014, Clone:230286E11) and FITC Plus Anti-Mouse CD3. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.