

For Research Use Only

Anti-Mouse Gm-csf Rabbit Recombinant Antibody



Catalog Number: 98014-1-RR

Basic Information

Catalog Number: 98014-1-RR	GenBank Accession Number: NM-009969	Purification Method: Protein A purification
Size: 100ug, 1000 µg/ml	GeneID (NCBI): 12981	CloneNo.: 230286E11
Source: Rabbit	UNIPROT ID: P01587	
Isotype: IgG	Full Name: colony stimulating factor 2 (granulocyte-macrophage)	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
mouse

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. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide.

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

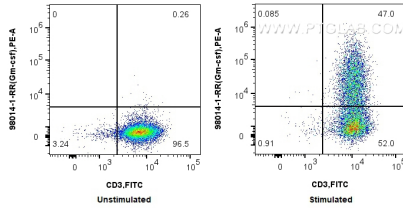
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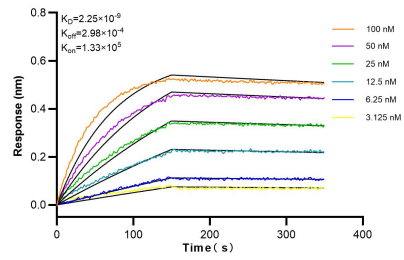
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Selected Validation Data



1×10^6 unstimulated or PMA and ionomycin in presence of protein transport inhibitors stimulated C57BL/6 CD3 T cells were intracellularly stained with 0.25 μ g Anti-Mouse Gm-csf (98014-1-RR, Clone: 230286E11) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), and 0.5 μ g FITC Plus Anti-Mouse CD3 (17A2) (FITC-65077, Clone: 17A2). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Bi-layer interferometry (BLI) kinetic assays of 98014-1-RR against Human Gm-csf were performed. The affinity constant is 2.25 nM.