

For Research Use Only

Anti-Mouse IFN-gamma Rabbit Recombinant Antibody



Catalog Number: 98045-1-RR

Basic Information

Catalog Number: 98045-1-RR	GenBank Accession Number: BC119063	Purification Method: Protein A purification
Size: 100ug, 1 mg/ml	GeneID (NCBI): 15978	CloneNo.: 240262C9
Source: Rabbit	UNIPROT ID: P01580	
Isotype: IgG	Full Name: interferon gamma	
	Calculated MW: 17 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Mouse

Background Information

Interferon gamma (IFN γ), is a type II interferon that provides immunity against bacterial, viral and protozoan infections. In its active form, IFN γ is a glycosylated, non-covalently linked homodimer of 29-32 kDa subunits. It is produced by a number of immune cell types including natural killer cells, natural killer T cells, and effector lymphocyte T cells following antigenic and inflammatory triggers. The IFN γ dimer binds to its cognate receptor which has two subunits: IFN- γ R1 which is the ligand-binding chain (α chain) and IFN- γ R2, the signal-transducing chain (β chain). Binding to the receptor activates the JAK/STAT pathway which in turn activates IFN γ responsive genes. While IFN γ can inhibit viral replication, it also works as an immune-modulator and immune-stimulator by increasing surface expression of class I MHC proteins. (PMID: 19268625; 10688427)

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:

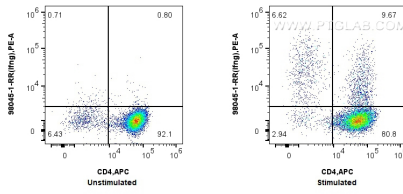
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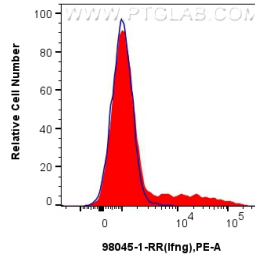
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Selected Validation Data



1x10⁶ unstimulated or PMA, Ionomycin and Brefeldin A treated C57BL/6 Th1-polarized splenocytes were intracellularly stained with APC Anti-Mouse CD4 (GK1.5) and 0.25 ug Anti-Mouse IFN-gamma Rabbit Recombinant Antibody (98045-1-RR, Clone:240262C9) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



1x10⁶ PMA, Ionomycin and Brefeldin A treated C57BL/6 Th1-polarized splenocytes were intracellularly stained with 0.25 ug Anti-Mouse IFN-gamma Rabbit Recombinant Antibody (98045-1-RR, Clone:240262C9) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), or 0.25 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).