

For Research Use Only

Anti-Rat IFN-gamma Rabbit Recombinant Antibody



Catalog Number: 98001-1-RR

Basic Information

Catalog Number: 98001-1-RR	GenBank Accession Number: NM_138880	Purification Method: Protein A purification
Size: 100ug , 1000 µg/ml	GeneID (NCBI): 25712	CloneNo.: 6K20
Source: Rabbit	UNIPROT ID: P01581	
Isotype: IgG	Full Name: interferon gamma	
	Calculated MW: 18 kDa	

Applications

Tested Applications:
FC

Species Specificity:
Rat

Background Information

Interferon-gamma (IFN γ), is a type II interferon that provides immunity against bacterial, viral and protozoan infections. 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

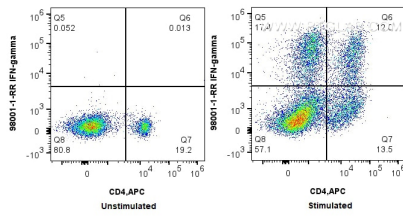
Storage:
Store at 2-8°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide.

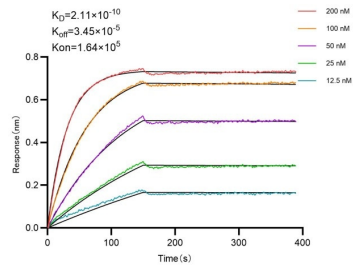
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1X10⁶ unstimulated or ConA, PMA and ionomycin stimulated (in the presence of protein transport inhibitors) Wistar rat splenocytes were intracellularly stained with 0.25 ug Anti-Rat IFN-gamma (98001-1-RR, Clone: 6K20) and PE-conjugated Goat anti-Rabbit IgG (H+L) Secondary Antibody. Cells were co-stained with 0.25 ug APC Anti-Rat CD4 (OX-35) (APC-65179, Clone: OX-35). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-



Captured anti Rat IFN-gamma IgG(98001-1-RR) on protein A Biosensor, can bind Human NSD3 with an affinity constant of 2.11 nM as determined in a BLI assay by Gator Prime.