

CoraLite® Plus 488 Anti-Rat IFN- γ Rabbit Recombinant Antibody

Catalog Number: **CL488-98001**

Basic Information

Catalog Number: CL488-98001	GenBank Accession Number: NM_138880	Purification Method: Protein A purification
Size: 100 μ g, 500 μ g/ml	GeneID (NCBI): 25712	CloneNo.: 6K20
Source: Rabbit	UNIPROT ID: P01581	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Full Name: interferon gamma	
	Calculated MW: 18 kDa	

Applications

Tested Applications:
FC (Intra)

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. Avoid exposure to light. 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:

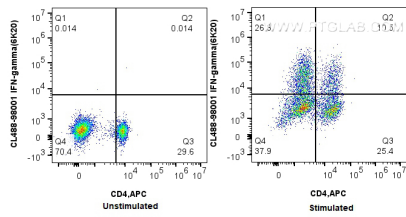
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.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) rat splenocytes cells were intracellularly stained with 0.25 ug CoraLite® Plus 488 Anti-Rat IFN-gamma (6K20) Rabbit Recombinant Antibody (CL488-98001, Clone:6K20), and 0.25 ug APC Anti-Rat CD4 (OX-35) (APC-65179, Clone: OX-35), and 0.25 ug CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000). Cells were fixed with 4% PFA and

