

For Research Use Only

CoraLite®594 Anti-Rat IFN-gamma Rabbit Recombinant Antibody

Catalog Number: CL594-98001



Basic Information

Catalog Number:

CL594-98001

Size:

100ug , 500 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_138880

GeneID (NCBI):

25712

UNIPROT ID:

P01581

Full Name:

interferon gamma

Calculated MW:

18 kDa

Purification Method:

Protein A purification

CloneNo.:

6K20

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

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

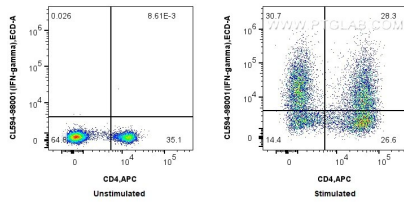
For technical support and original validation data for this product please contact:

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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 rat splenocytes were intracellularly stained with 0.25 ug CoraLite® 594 Anti-Rat IFN-gamma Rabbit RecAb (CL594-98001, Clone:6K20). Cells were co-stained with 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-C).