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

Catalog Number:CL594-98001

proteintech®
Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
CL594-98001

Concentration:
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℃. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide

Selected Validation Data
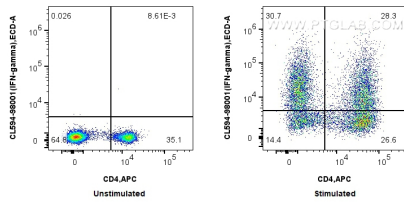
1x10^6 unstimulated or ConA, PMA and ionomycin stimulated rat splenocytes were intracellularly stained with 0.25 ug CoraLite®594 Anti-Rat IFN-gamma Rabbit RecAb (CL594-98001, Clone:6K20). Cells were co-stained with APC Anti-Rat CD4 (OX-35) (APC-65179, Clone: OX-35). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).