

For Research Use Only

PE Anti-Mouse IFN-gamma (XMG1.2)

Catalog Number: PE-65153

6 Publications



Basic Information

Catalog Number:

PE-65153

Size:

100ug, 0.2 mg/ml

Source:

Rat

Isotype:

IgG1, kappa

GenBank Accession Number:

BC119063

GeneID (NCBI):

15978

UNIPROT ID:

P01580

Full Name:

interferon gamma

Calculated MW:

17 kDa

Purification Method:

Affinity purification

CloneNo.:

XMG1.2

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

Applications

Tested Applications:

FC (Intra)

Cited Applications:

FC (Intra)

Species Specificity:

mouse

Cited Species:

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)

Notable Publications

Author	Pubmed ID	Journal	Application
Ping Yang	36184646	Nat Commun	FC (Intra)
Li Wu	35344716	Phytomedicine	FC (Intra)
Meng Wang	38416276	Hum Cell	FC (Intra)

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.

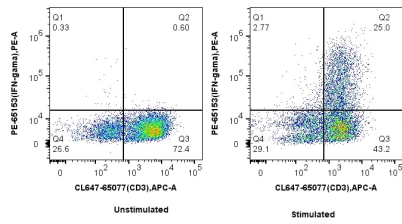
For technical support and original validation data for this product please contact:

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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 PMA and Ionomycin stimulated (in the presence of Brefeldin A) C57BL/6 mouse splenocytes were surface stained with CoraLite® Plus 647 Anti-Mouse CD3 (CL647-65077, Clone: 17A2) and then fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). Cells were then stained with 0.5 ug PE Anti-Mouse IFN gamma (PE-65153, Clone: XMG1.2).