

For Research Use Only

CoraLite® Plus 647-conjugated IFN Gamma Monoclonal antibody

Catalog Number: CL647-69007



Basic Information

Catalog Number:

CL647-69007

Concentration:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

HZ-1301

GenBank Accession Number:

GeneID (NCBI):

3458

ENSEMBL Gene ID:

ENSG00000111537

Full Name:

IFN gamma

Purification Method:

Protein G purification

CloneNo.:

1E10G7

Recommended Dilutions:

FC (Intra): 0.25 µg per 10⁶ cells in a 100 µl suspension

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Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

Human

Positive Controls:

FC (Intra): PMA+ionomycin+protein transport inhibitors for 6h human PBMCs,

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Background Information

Interferon gamma (IFNG) is a soluble cytokine that is the only member of the type II class of interferons. It is secreted by Th1 cells, cytotoxic T cells and NK cells. The cytokine is associated with antiviral, immunoregulatory and anti-tumor properties and is a potent activator of macrophages. It plays crucial roles in pathogen clearance. Aberrant IFNG expression is associated with a number of autoinflammatory and autoimmune diseases. It has been identified in many studies as a biomarker for pleural tuberculosis (TB). Mutations in this gene are associated with aplastic anemia.

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

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

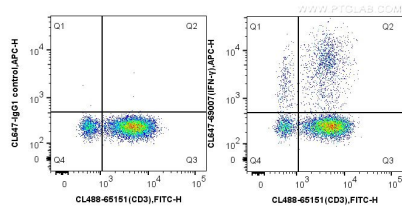
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ PMA+ionomycin+protein transport inhibitors treated for 6h human PBMCs were intracellularly stained with 0.25 ug CoraLite® Plus 647 Anti-Human IFN Gamma (CL647-69007, Clone:1E10G7), and 0.25 ug CoraLite®488 Anti-Human CD3 (UCHT1) (CL488-65151, Clone: UCHT1). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).