

For Research Use Only

CoraLite® Plus 488-conjugated IFN Gamma Monoclonal antibody



Catalog Number: CL488-69007

Basic Information

Catalog Number: CL488-69007	GenBank Accession Number: GeneID (NCBI): 3458	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	Full Name: IFN gamma	CloneNo.: 1E10G7
Source: Mouse		Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG1		
Immunogen Catalog Number: HZ-1301		

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human

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, pH 7.3.

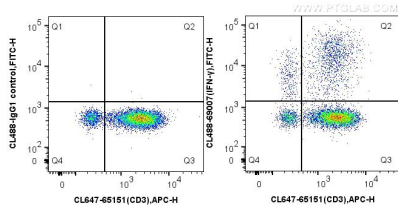
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

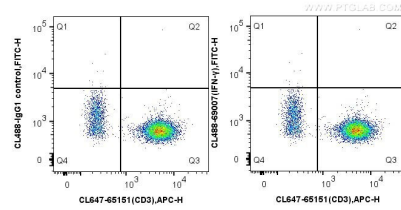
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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 488 Anti-Human IFN Gamma (CL488-69007, Clone:1E10G7), and 0.25 ug CoraLite® Plus 647 Anti-Human CD3 (UCHT1) (CL647-65151, Clone: UCHT1), and 0.25 ug Mouse IgG1 Isotype Control (CL488-66360, Clone: T1F8D3F10). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm.



1X10⁶ human PBMCs were intracellularly stained with 0.25 ug CoraLite® Plus 488 Anti-Human IFN Gamma (CL488-69007, Clone:1E10G7), and 0.25 ug Mouse IgG1 Isotype Control (CL488-66360, Clone: T1F8D3F10), and 0.25 ug CoraLite® Plus 647 Anti-Human CD3 (UCHT1) (CL647-65151, Clone: UCHT1). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).