

For Research Use Only



CoraLite® Plus 647 Anti-Human IFNGR1/CD119 Rabbit Recombinant Antibody

Catalog Number: **CL647-98343**

Basic Information

Catalog Number: CL647-98343	GenBank Accession Number: NM_000416.3	Purification Method: Protein A purification
Size: 100tests , 5 ul/test	GeneID (NCBI): 3459	CloneNo.: 242632A8
Source: Rabbit	UNIPROT ID: P15260-1	Recommended Dilutions: FC: 5 ul per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: interferon gamma receptor 1	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Immunogen Catalog Number: EG2999	Calculated MW: 54 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : human PBMCs,
Species Specificity: human	

Background Information

Interferon-gamma (IFN-γ) is a cytokine critical for innate and adaptive immunity against viral and intracellular bacterial infections and for tumor control. Cellular responses to IFN-γ are activated through its interaction with a heterodimeric receptor consisting of two subunits, IFNGR1 (CD119) and IFNGR2. IFNGR1 is the ligand-binding subunit which binds IFN-γ with high affinity, whereas IFNGR2 serves as the accessory subunit. Two subunits bind one IFN-γ dimer. Defects in IFNGR1 are a cause of mendelian susceptibility to mycobacterial disease (MSMD), also known as familial disseminated atypical mycobacterial infection. (PMID: 17981204; 946248; 10888113)

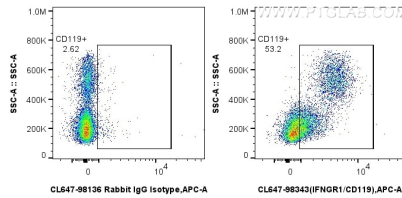
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

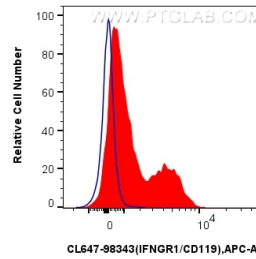
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human IFNGR1/CD119 Rabbit RecAb (CL647-98343, Clone: 242632A8) or CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-98136, Clone: 240953C9). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human IFNGR1/CD119 Rabbit RecAb (CL647-98343, Clone: 242632A8) (red) or CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-98136, Clone: 240953C9) (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.