

For Research Use Only

# Anti-Mouse IFNGR1/CD119 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98201-1-PBS



## Basic Information

### Catalog Number:

98201-1-PBS

### Size:

1mg, 2 mg/ml

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_010511.3

### GeneID (NCBI):

15979

### UNIPROT ID:

P15261

### Full Name:

interferon gamma receptor 1

### Calculated MW:

52kDa

### Purification Method:

Protein A purification

### CloneNo.:

241832H4

## Applications

### Tested Applications:

FC

### Species Specificity:

mouse

## Background Information

Interferon-gamma (IFN- $\gamma$ ) is a cytokine critical for innate and adaptive immunity against viral and intracellular bacterial infections and for tumor control. Cellular responses to IFN- $\gamma$  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- $\gamma$  with high affinity, whereas IFNGR2 serves as the accessory subunit. Two subunits bind one IFN- $\gamma$  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 -80°C.

### Storage Buffer:

PBS Only

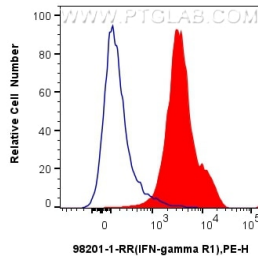
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

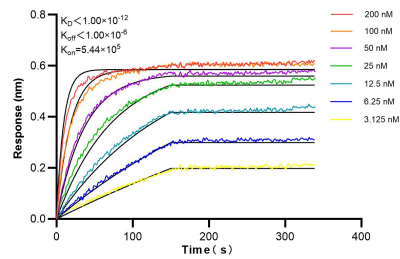
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



$1 \times 10^6$  mouse splenocytes were surface stained with 0.25  $\mu$ g Anti-Mouse CD119 / IFN-gamma R1 Rabbit Recombinant Antibody (98201-1-RR, Clone: 241832H4) (red) or 0.25  $\mu$ g Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98201-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 98201-1-RR against Mouse CD119 / IFN-gamma R1 were performed. The affinity constant is below 1 pM.