

For Research Use Only

# IFNGR1 Monoclonal antibody, PBS Only

Catalog Number: 66704-1-PBS



## Basic Information

|   |  |   |
|---|--|---|
| <b>Catalog Number:</b><br>66704-1-PBS                       | <b>GenBank Accession Number:</b><br>BC005333     | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ug , Concentration: 1 mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>3459                    | <b>CloneNo.:</b><br>1H3A4                             |
| <b>Source:</b><br>Mouse                                     | <b>UNIPROT ID:</b><br>P15260                     |   |
| <b>Isotype:</b><br>IgG2a                                    | <b>Full Name:</b><br>interferon gamma receptor 1 |   |
| <b>Immunogen Catalog Number:</b><br>AG27085                 | <b>Calculated MW:</b><br>54 kDa                  |   |
|   | <b>Observed MW:</b><br>90 kDa                    |   |

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## 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

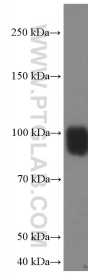
**Storage:**  
Store at -80°C.

**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  
W: ptglab.com

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## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 66704-1-Ig (IFNGR1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66704-1-PBS in a different storage buffer formulation.