

For Research Use Only

# IFNGR1 Monoclonal antibody

Catalog Number: 66704-1-Ig



## Basic Information

<b>Catalog Number:</b> 66704-1-Ig	<b>GenBank Accession Number:</b> BC005333	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1500 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3459	<b>CloneNo.:</b> 1H3A4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P15260	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG2a	<b>Full Name:</b> interferon gamma receptor 1	
<b>Immunogen Catalog Number:</b> AG27085	<b>Calculated MW:</b> 54 kDa	
	<b>Observed MW:</b> 90 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, HEK-293 cells, T-47D cells, Jurkat cells
<b>Species Specificity:</b> 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 -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

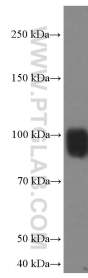
For technical support and original validation data for this product please contact:

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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.