

For Research Use Only

# Mouse IFNGR1 Recombinant antibody, PBS Only

Catalog Number: 84415-7-PBS



## Basic Information

<b>Catalog Number:</b> 84415-7-PBS	<b>GenBank Accession Number:</b> NM_010511.3	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 15979	<b>CloneNo.:</b> 241832F4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P15261	
<b>Isotype:</b> IgG	<b>Full Name:</b> interferon gamma receptor 1	
	<b>Calculated MW:</b> 52kDa	
	<b>Observed MW:</b> 90 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**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

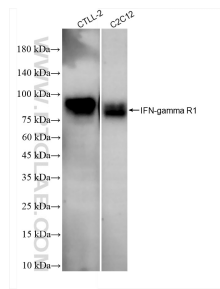
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84415-7-RR (IFN-gamma R1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84415-7-PBS in a different storage buffer formulation.