

Ifngr1

Recombinant Mouse IFN-gamma Receptor 1 / CD119 (Fc Tag)

Catalog No.	CRM681A-Fc CRM681B-Fc	Quantity: 100 µg 200 µg
Alternate Names:	Interferon gamma receptor 1, IFN-gamma receptor 1, IFN-gamma-R1, Interferon gamma receptor alpha-chain, IFN-gamma-R-alpha, CD119	
Description:	Interferon-gamma receptor 1 (CD119) is part of the heterodimeric gamma interferon receptor which consists of IFNGR1 and IFNGR2. The IFNGR1 gene encodes the ligand-binding chain (alpha) of the interferon receptor while IFNGR2 gene encodes the non-ligand binding partner. The activity of interferon-gamma is achieved through binding to the interferon-gamma receptor. After binding, the products of activated T-lymphocytes interferon-gamma exerts antiviral activity, growth inhibitory effect, and several immune-regulatory activities on a variety of cell types.	
UniProt ID:	P15261	
Protein Construction:	A DNA sequence encoding the mouse IFNGR1 extracellular domain (Met 1-Asp 253) was fused with the Fc region of human IgG1 at the C-terminus.	
Source:	HEK293 Cells	
Formulation:	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.	
Molecular Weight:	The rmIFNGR1/Fc is a disulfide-linked homodimer. The reduced monomer consists of 472 aa with a predicted MW of 53 kDa and migrates at ~70-75 kDa in SDS-PAGE under reducing conditions, due to glycosylation.	
Purity:	> 95 % as determined by SDS-PAGE.	
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method	
Biological Activity:	Measured by its binding ability in a functional ELISA. Immobilized mouse IFNG-His at 10 µg/ml (100 µl/well) can bind mouse IFNGR1-Fc. The EC50 of IFNGR1-Fc is 58.2-135.9 ng/ml.	
Predicted N-terminal:	Gly 23	
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution.	
Storage & Stability:	Stable for up to 1 year from date of receipt at -20°C to -80°C After reconstitution, store working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.	



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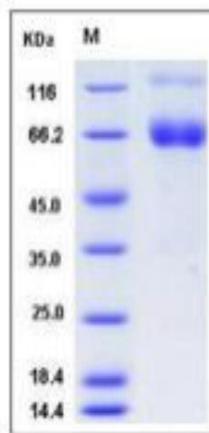
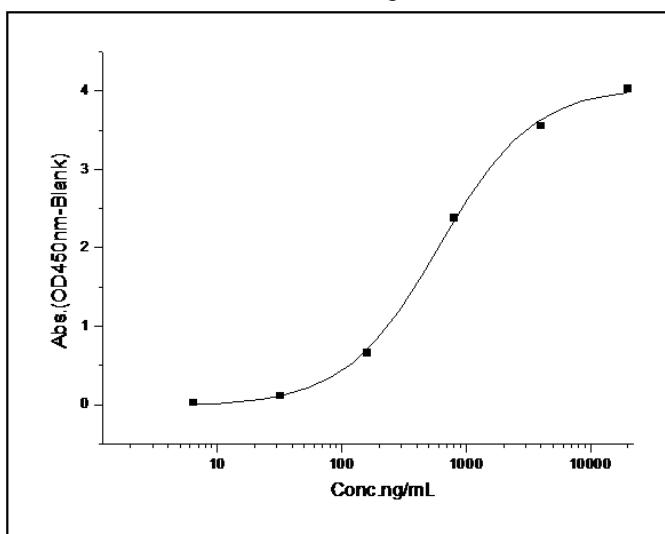
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Measured by its binding ability in a functional ELISA.
Immobilized mouse IFNG-His at 10 μ g/ml (100 μ l/well)
can bind mouse IFNGR1-Fc. The EC50 of IFNGR1-Fc is
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SDS-PAGE



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