

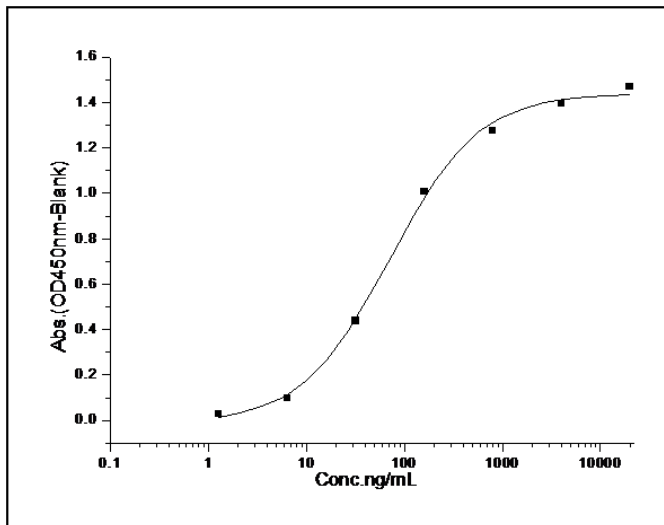
Ifngr1

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

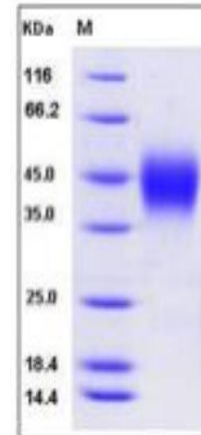
Catalog No.	CRM681A-His CRM681B-His	Quantity:	100 µg 200 µg
Alternate Names:	Interferon gamma receptor 1, IFN-gamma receptor 1, IFN-gamma-R1, Interferon gamma receptor alpha-chain, IFN-gamma-R-alpha, CD119		
Description:	Interferon-gamma receptor 1 (CD119) is part of the heterodimeric gamma interferon receptor which consists of IFNGR1 and IFNGR2. The IFNGR1 gene encodes the ligand-binding chain (alpha) of the interteron 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 expressed, with a polyhistidine tag 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 consists of 242 aa with a predicted MW of 27.4 kDa and migrates at ~40-45 kDa in SDS-PAGE under reducing conditions, due to glycosylation.		
Purity:	> 98 % 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 ability to bind with recombinant mouse IFNG-Fc in a functional ELISA.		
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.		



Measured by its ability to bind with recombinant mouse IFNG-Fc in a functional ELISA.



SDS-PAGE



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