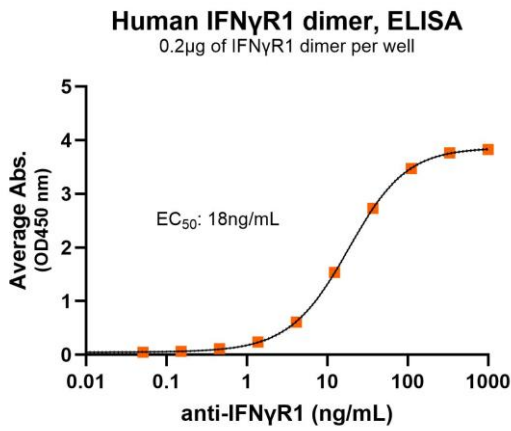
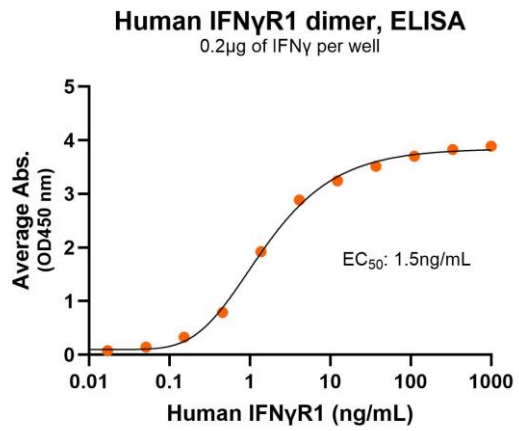


Bioactivity – Antibody Binding



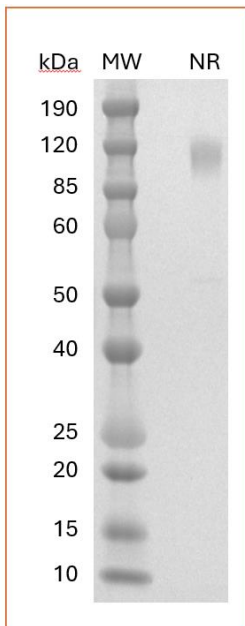
Immobilize human IFN γ R1 dimer protein (Cat. No. CSP-24015) at 2 μ g/mL (100 μ L/well) can bind anti-human IFN γ R1 monoclonal antibody with half maximal effective concentration (EC50) range of 9.2-36.9 ng/mL (QC tested).

Bioactivity – Ligand Binding



Immobilize human IFN γ protein at 2 μ g/mL (100 μ L/well) can bind IFN γ R1 dimer protein (Cat. No. CSP-24015) with half maximal effective concentration (EC50) range of 0.95 - 3.8 ng/mL (QC tested).

SDS-PAGE



MW: Molecular Weight marker reduced condition
 NR: IFN γ R1 dimer under non-reducing condition

The migration range of the dimer under non-reducing condition is 90-120 kDa on SDS PAGE.



Bioactive, Human IFN γ R1 Dimer, His Tag
Product Code: CSP-24015
For Research Use Only

Expression Host
HEK293T

Purity
Greater than 90% dimer form as determined by SDS PAGE under non-reducing condition

Protein Construct
IFN γ R1 protein dimer contains IFN γ R1 2 extracellular domains (UniProt# P15260) with a homodimer motif and a His tag at the C-terminus. Expressed in HEK293T cells.

SDS Page Molecular Weight
98 kDa; The migration range of the dimer under non-reducing condition is 90-120 kDa on SDS PAGE.

Shipping Conditions
Frozen Dry Ice

Protein Name
Human IFN γ R1

Alternate Name(s)
CD119, IFN γ R, IMD27A, and IMD27B

Amino Acid Range
Glu18-Gly245

Formulation
0.2 μ m filtered PBS, pH 7.4

Stability & Storage
-80°C

Background

Interferon gamma receptor 1 (IFN γ R1), also known as CD119, IMD27A and IMD27B, is a subunit of interferon gamma receptor (IFN γ R). IFN γ R belongs to the type II cytokine receptor family. IFN γ R1 is a type I integral membrane glycoprotein containing extracellular, transmembrane and intracellular domains. The extracellular domain has two immunoglobulin-like (Ig-like) C2-type domains. Interferon gamma (IFN γ) dimer interacts with two IFN γ R1 molecules to activate the cascade signaling pathway.