Recombinant Human IFN-gamma R1/CD119 Protein

Catalog No.: RP00200

Sequence Information

Species
Human

Gene ID
3459

Swiss Prot
P15260

Tags
C-His

Synonyms
CD119, IFNGR, IMD27A, IMD27B, IFNGR1, CD119, interferon gamma receptor 1,IFNGR,IMD27A,IMD27B

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE;≥95 % as determined by HPLC.

Calculated MW
28.47 kDa

Observed MW
35-50 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

The high-affinity IFN-gamma receptor complex is made up of two type I membrane proteins, IFN-gammaR1 (IFN gamma R alpha) and IFN-gammaR2 (IFN-gamma R beta). IFN-gamma R1 is the ligand-binding subunit that is necessary and sufficient for IFN-gamma binding and receptor internalization. IFN-gammaR2 is required for IFN gamma signaling but does not bind IFN-gamma by itself. A genetic variation in IFNGR1 is associated with susceptibility to Helicobacter pylori infection. In addition, defects in IFNGR1 are a cause of mendelian susceptibility to mycobacterial disease, also known as familial disseminated atypical mycobacterial infection.

Basic Information

Description
Recombinant Human IFN-gamma R1/CD119 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Gly245) of human IFNGR1/CD119 (Accession #NP_000407.1) fused with a 6×His tag at the C-terminus.

Activity
Measured by its binding ability in a functional ELISA. Immobilized Human FNGR1/CD119 at 1 μg/mL (100 μL/well) can bind Human IFNG with a linear range of 0.98-1.97 ng/mL.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

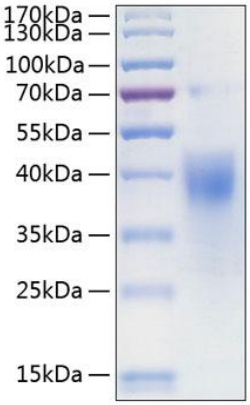
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

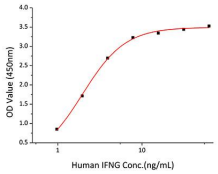
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

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Please visit http://abclonal.com for a complete listing of recommended products.

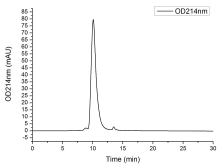
Validation Data



Recombinant Human IFN-gamma R1/CD119 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Human FNGR1/CD119 at 1 μg/mL (100 μL/well) can bind Human IFNG with a linear range of 0.98-1.97ng/mL.



The purity of Human IFNGR1/CD119 Protein (Cat.RP00200) was greater than 95% as determined by SEC-HPLC.