



Synonym

IFNGR1,CD119,CDw119,IFNGR,IFN-gamma-R1

Source

Human IFN-gamma R1, Fc Tag(IF1-H5254) is expressed from human 293 cells (HEK293). It contains AA Glu 18 - Gly 245 (Accession # [AAH05333](#)).

Predicted N-terminus: Glu 18

Molecular Characterization

| | |
|--|---------------------------------|
| IFN-gamma R1(Glu 18 - Gly 245) AAH05333 | Fc(Pro 100 - Lys 330) P01857 |
|--|---------------------------------|

This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 52.4 kDa. The protein migrates as 60-80 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

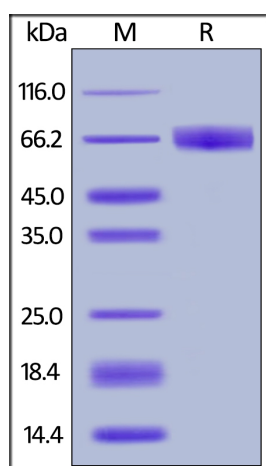
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE

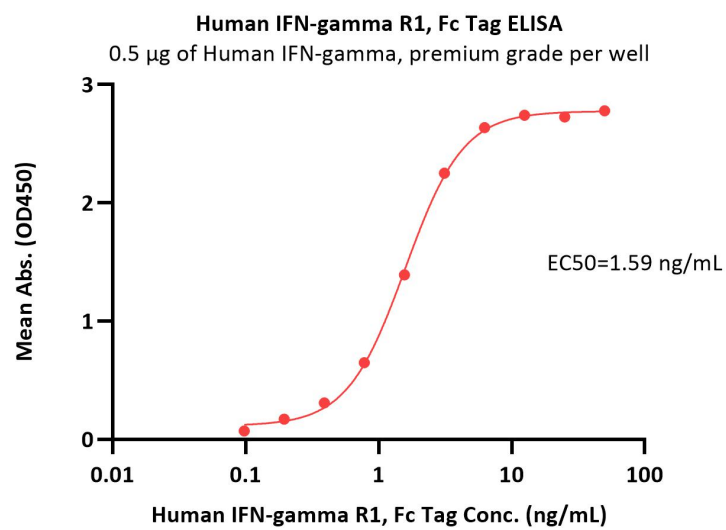


Human IFN-gamma R1, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA

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Immobilized Human IFN-gamma, premium grade (Cat. No. IFG-H4211) at 5 µg/mL (100 µL/well) can bind Human IFN-gamma R1, Fc Tag (Cat. No. IF1-H5254) with a linear range of 0.1-6 ng/mL (QC tested).

Background

Interferon gamma receptor 1 (IFNGR1) is also known as CD antigen CD119, which belongs to the type II cytokine receptor family. IFNGR1 contains two fibronectin type-III domains and two Ig-like C2-type (immunoglobulin-like) domains. IFNGR1 / CD119 is receptor for interferon gamma. Two receptors bind one interferon gamma (IFNG) dimer.

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