

Datasheet for ABIN7196272
IFNGR1 Protein (Fc Tag)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	IFNGR1
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IFNGR1 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Mouse IFNGR1/CD119 Protein (Fc Tag)(Active)
Sequence:	Met 1-Asp 253
Characteristics:	A DNA sequence encoding the mouse IFNGR1 (P15261) extracellular domain (Met 1-Asp 253) was fused with the Fc region of human IgG1 at the C-terminus.
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 Comment:	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.

Target Details

Target:	IFNGR1
---------	--------

Target Details

Alternative Name: IFNGR1/CD119 ([IFNGR1 Products](#))

Background: Background: The cluster of differentiation (CD) system is commonly used as cell markers in immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD119 (cluster of differentiation 119), also known as IFNGR1 (interferon gamma receptor 1), is part of the heterodimeric gamma interferon receptor which consists of IFNGR1 (CD119) and IFNGR2. The IFNGR1 gene encodes the ligand-binding chain (alpha) of the interteron receptor while IFNGR gene encodes the non-ligand binding partner. The ability of the interferon- γ was achieved through binding to the interferon receptor CD119. After binding, the products of activated T-lymphocytes interferon- γ exerts antiviral activity, growth inhibitory effect, and several immune- regulatory activities on a variety of cell types.

Synonym: CD119;Ifgr;IFN-gammaR;Ifngr;Nktar

Molecular Weight: 53 kDa

UniProt: [P15261](#)

Pathways: [Interferon-gamma Pathway](#)

Application Details

Restrictions: For Research Use only

Handling

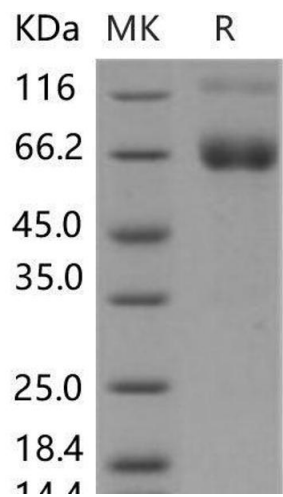
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.