

Datasheet for ABIN5518762
anti-IFNGR1 antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	IFNGR1
Binding Specificity:	AA 443-484, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Interferon gamma receptor 1(IFNGR1) detection. Tested with WB, FCM in Human.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human IFNGR1 (443-484aa QELITVIKAPTSFGYDKPHVLVDLLVDDSGKESLIGYRPTED), different from the related mouse sequence by seventeen amino acids.
Sequence:	QELITVIKAP TSFGYDKPHV LVDLLVDDSG KESLIGYRPT ED
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Interferon gamma receptor 1(IFNGR1) detection. Tested with WB, FCM in Human. Gene Name: interferon gamma receptor 1 Protein Name: Interferon gamma receptor 1

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: IFNGR1

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

Background: Interferon gamma receptor 1 (IFNGR1), also known as CD119 (Cluster of Differentiation 119), is a protein that in humans is encoded by the IFNGR1 gene. This gene (IFNGR1) encodes the ligand-binding chain (alpha) of the gamma interferon receptor. Human interferon-gamma receptor is a heterodimer of IFNGR1 and IFNGR2. 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.

Synonyms: CD 119 | CD119 | CDw119 | IFN gamma R1 | IFN-gamma-R1 | IFNG R1 | IFNGR 1 | IFNGR | IFNGR1 | IMD27A | IMD27B | P15260

Gene ID: 3459

UniProt: [P15260](#)

Pathways: [Interferon-gamma Pathway](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human
Flow Cytometry: Concentration: 1-3 µg/1x10⁶ cells, Tested Species: Human
Notes: Tested Species: Species with positive results.
Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Handling

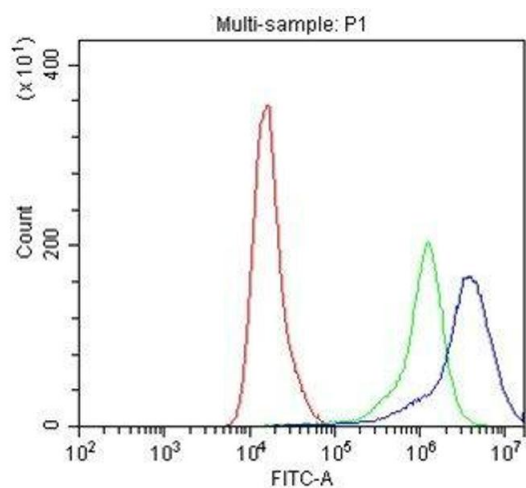
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot analysis of IFNGR1 using anti-IFNGR1 antibody . Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each Lane was loaded with 50ug of sample under reducing conditions. Lane 1: HEPG2 whole cell lysates, Lane 2: SKOV3 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-IFNGR1 antigen affinity purified polyclonal antibody (Catalog #) at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for IFNGR1 at approximately 95KD. The expected band size for IFNGR1 is at 54KD.



Flow Cytometry

Image 2. Flow Cytometry analysis of A549 cells using anti-IFNGR1 antibody. Overlay histogram showing A549 cells stained with (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-IFNGR1 Antibody (1 μ g/1x10⁶ cells) for 30 min at 20°C. DyLight[®]488 conjugated goat anti-rabbit IgG (BA1127, 5-10 μ g/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 μ g/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.