

Product Name: KD-Validated IFNGR1 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA00494

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:100-1:1,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 54.4kDa

Antigen Information

Gene Name	IFNGR1
Alternative Names	IFNGR1; Interferon Gamma Receptor 1; CD119; IFN-Gamma Receptor 1; IFN-Gamma-R-Alpha; CD119 Antigen; IFN-Gamma-R1; CDw119; IFNGR; Interferon-Gamma Receptor Alpha Chain; Interferon Gamma Receptor Alpha-Chain; Immune Interferon Receptor 1; Antiviral Protein, Type 2; AVP, Type 2; IMD27A; IMD27B
Gene ID	3459.0
SwissProt ID	P15260
Immunogen	A synthesized peptide derived from human IFNGR1

Background

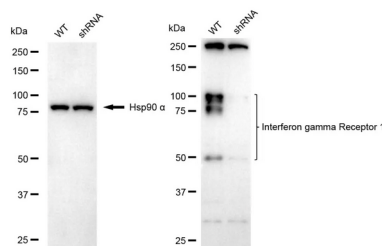
This gene (IFNGR1) encodes the ligand-binding chain (alpha) of the gamma interferon receptor. Human interferon-gamma

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. [provided by RefSeq, Jul 2008]

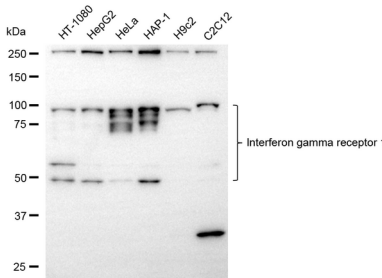
Research Area

Microbiology

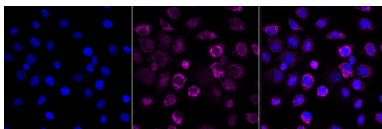
Image Data



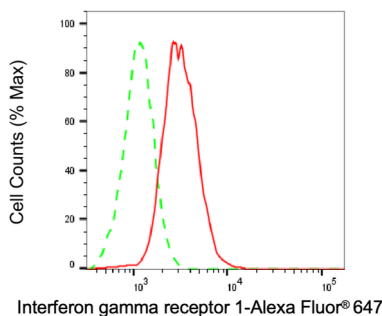
Western blotting analysis using interferon gamma receptor 1 antibody (KVA00494). Interferon gamma receptor 1 expression in wild-type (WT) and interferon gamma receptor 1 (IFNGR1) shRNA knockdown (KD) 293T cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with interferon gamma receptor 1 antibody (KVA00494, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using interferon gamma receptor 1 antibody (KVA00494). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with interferon gamma receptor 1 antibody (KVA00494, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with Interferon gamma receptor 1 antibody (KVA00494, 1:1,000). Nuclei were stained blue with DAPI; Interferon gamma receptor 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of Interferon gamma receptor 1 expression in C2C12 cells using Interferon gamma receptor 1 antibody (KVA00494, 1:1,000). Green, isotype control; red, Interferon gamma receptor 1.