

Rabbit anti-Mouse IFNGR1 Monoclonal Antibody | anti-IFNGR1 antibody

Recombinant Anti-IFNGR1 Antibody, Rabbit Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257216	Rabbit	Mouse	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

IFNGR1; Monoclonal Antibody; Recombinant Anti-IFNGR1 Antibody; Rabbit Monoclonal; IFNGR1/CD119 Antibody; Rabbit MAb; interferon gamma receptor 1; Anti-CD119 Antibody; Anti-Ifgr Antibody; Anti-IFN-gammaR Antibody; Anti-Ifngr Antibody; Anti-Nktar Antibody; anti-IFNGR1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	062
Specificity	Mouse IFNGR1/CD119
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-IFNGR1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), ELISA
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Mouse IFNGR1/CD119 Protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse IFNGR1/CD119 (rM IFNGR1/CD119).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Mouse IFNGR1(CD119) expression on BABL/c splenocytes. Cells were stained with purified anti-Mouse IFNGR1(CD119), then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



IF (Immunofluorescence)

Immunofluorescence staining of mouse IFNGR1 in mouse splenocytes. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-mouse IFNGR1 monoclonal antibody (1:60) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-IFNGR1 antibody	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 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 alters the behavior of the cell. Some CD proteins do not take part in the 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 interferon receptor while the IFNGR gene encodes the non-ligand binding partner. The ability of the interferon-gamma was achieved through binding to the interferon receptor CD119. After binding, the products of activated T-lymphocytes interferon-gamma exerts antiviral activity, growth inhibitory effect, and several immune-regulatory activities on a variety of cell types.
References	Zola H, et al. (2007) CD molecules 2006-human cell differentiation molecules. J Immunol Methods. 318 (1-2): 1-5.Ho IC, et al. (2009) GATA3 and the T-cell lineage: essential functions before and after T-helper-2-cell differentiation. Nat Rev Immunol. 9 (2): 125-35.Matesanz-Isabel J, et al. (2011) New B-cell CD molecules. Immunology Letters.134 (2): 104-12Novick D, et al. (1987) The human interferon-gamma receptor. The journal of biological chemistry. 262 (18): 8483-7

NCBI AND UNIPROT INFORMATION

NCBI GI #	6754306
NCBI GeneID	15979
NCBI Accession #	NP_034641.1
NCBI GenBank Nucleotide #	NM_010511.2
UniProt Accession #	P15261; Q91Y85
Molecular Weight	52,343 Da
NCBI Official Full Name	interferon gamma receptor 1
NCBI Official Synonym Full Names	interferon gamma receptor 1
NCBI Official Symbol	Ifngr1
NCBI Official Synonym Symbols	Ifgr; CD119; Ifngr; Nktar; IFN-gammaR
NCBI Protein Information	interferon gamma receptor 1; IFN-gamma-R1; INF-g receptor; IFN-gamma receptor 1; interferon-gamma receptor 1
UniProt Protein Name	Interferon gamma receptor 1
UniProt Gene Name	Ifngr1
UniProt Synonym Gene Names	Ifngr; IFN-gamma receptor 1
UniProt Entry Name	INGR1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ifngr1-antibody-clone-062-immunofluorescence-immunocytochemistry-flow-cytometry-elisa/257216>