

Mouse anti-Human FCGR1A Monoclonal Antibody | anti-FCGR1A antibody

FCGR1A antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48151	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

FCGR1A; Monoclonal Antibody; FCGR1A antibody; High affinity immunoglobulin gamma Fc receptor I; CD64; CD64A; FCRI; IGFR1; anti-FCGR1A antibody

PRODUCT SPECIFICATIONS

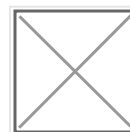
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	AT37F7
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	374
Applicable Applications for anti-FCGR1A antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human FCGR1A (16-292aa) purified from E Coli
Clone Note	Anti-human FCGR1A mAb, clone AT37F7, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human FCGR1A protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of FCGR1A in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human FCGR1A antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green). ICC/IF analysis of FCGR1A in Jurkat cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human FCGR1A antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The recombinant protein (20ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human FCGR1A antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-FCGR1A antibody	High affinity immunoglobulin gamma Fc receptor I (FCGR1A) is a protein that in humans is encoded by the FCGR1A gene. Also, This protein is known as CD64, belongs to the immunoglobulin superfamily. It is a high-affinity Fc-gamma receptor. They are playing a role in both innate and adaptive immune responses. They have been shown to interact with FCAR. The FcγRI binds the Fc portion of IgG and causes activation of the host cell via an intercellular ITAM motif.
Product Categories/Family for anti-FCGR1A antibody	Immunology
References	Maresco. D.L., et al. (1996) Cytogenet Cell Genet 73 (3): 157-163; Maresco. D.L., et al. (1998) Cytogenet Cell Genet 82 (1-2): 71-74; Morton., et al. (1995) J Biol Chem 270 (50): 29781-29787

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835133
NCBI GeneID	2209
NCBI Accession #	NP_000557
NCBI GenBank Nucleotide #	NM_000566.3
UniProt Accession #	P12314; P12315; Q5QNW7; Q92495; Q92663
Molecular Weight	38,795 Da
NCBI Official Full Name	high affinity immunoglobulin gamma Fc receptor I
NCBI Official Synonym Full Names	Fc fragment of IgG receptor Ia
NCBI Official Symbol	FCGR1A
NCBI Official Synonym Symbols	CD64; FCRI; CD64A; IGFR1
NCBI Protein Information	high affinity immunoglobulin gamma Fc receptor I
UniProt Protein Name	High affinity immunoglobulin gamma Fc receptor I
UniProt Gene Name	FCGR1A
UniProt Synonym Gene Names	FCG1; FCGR1; IGFR1; IgG Fc receptor I; FcRI; FcγgammaRIa

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.