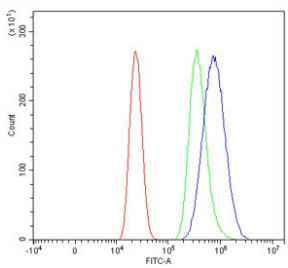
Fcgr3 Antibody / Cd16 (RQ6627)

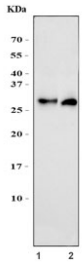
Catalog No.	Formulation	Size
RQ6627	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P08508
Applications	Western blot: 1-2ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Fcgr3 antibody is available for research use only.



Fcgr3 Antibody Mouse RAW264.7 Cell FACS. Flow cytometry testing of mouse RAW264.7 cells with Fcgr3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Fcgr3 antibody.



Fcgr3 Antibody Liver WB. Western blot testing of 1) rat liver and 2) mouse liver lysate with Fcgr3 antibody. Expected molecular weight: 30-70 kDa depending on the level of glycosylation.

Description

Fcgr3 Antibody specifically detects Fc gamma receptors 3. Fc receptors bind the most common class of antibody, IgG, are called Fc gamma receptors (FcgR). FcgR is divided into three classes, Fc gamma RI (CD64), Fc gamma RII (CD32), and Fc gamma RIII (CD16). CD16 protein is a multifunctional, low/intermediate affinity receptor, which belongs to the immunoglobulin superfamily. It is found on the surface of natural killer cells, neutrophil polymorphonuclear leukocytes, monocytes and macrophages. Mouse CD16 is encoded by a single gene, while, human CD16 is expressed as two distinct forms (CD16a/FcgRIIIa and CD16b/FcgRIIIb) encoded by two different highly homologous genes in a cell type-specific manner. CD16 is involved in phagocytosis, secretion of enzymes, inflammatory mediators, antibody-dependent cellular cytotoxicity (ADCC), and clearance of immune complexes.

Researchers studying Fc-mediated immune signaling, natural killer cell biology, and antibody-dependent cellular cytotoxicity may also benefit from the CD16 Antibody / Fc Gamma Receptor III Immune Marker page featuring immunohistochemistry, immunofluorescence, and flow cytometry validation data for endogenous FCGR3 detection.

Application Notes

Optimal dilution of the Fcgr3 antibody should be determined by the researcher.

Immunogen

Recombinant mouse protein (amino acids A31-T215) was used as the immunogen for the Fcgr3 antibody.

Storage

After reconstitution, the Fcgr3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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