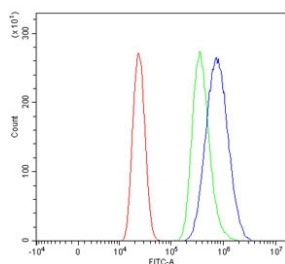


## Fcgr3 Antibody / Cd16 (RQ6627)

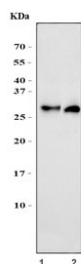
Catalog No.	Formulation	Size
RQ6627	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

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



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.



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

Fc receptors bind the most common class of antibody, IgG, are called Fc gamma receptors (FcγR). FcγR 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/FcγRIIIa and CD16b/FcγRIIIb) 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.

## Application Notes

Optimal dilution of the FcγR3 antibody should be determined by the researcher.

## Immunogen

Recombinant mouse protein (amino acids A31-T215) was used as the immunogen for the FcγR3 antibody.

## Storage

After reconstitution, the FcγR3 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.