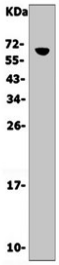
Cd16 Antibody (RQ6092)

Catalog No.	Formulation	Size
RQ6092	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P08508
Applications	Western blot: 1-2ug/ml
Limitations	This Cd16 antibody is available for research use only.



Cd16 Antibody Mouse Thymus WB. Western blot testing of mouse thymus lysate with Cd16 antibody. Expected molecular weight: 30-70 kDa depending on the level of glycosylation.

Description

Low affinity immunoglobulin gamma Fc region receptor III-A is a protein that in humans is encoded by the FCGR3A gene. This gene encodes a receptor for the Fc portion of immunoglobulin G, and it is involved in the removal of antigen-antibody complexes from the circulation, as well as other other antibody-dependent responses. This gene (FCGR3A) is highly similar to another nearby gene (FCGR3B) located on chromosome 1. The receptor encoded by this gene is expressed on natural killer (NK) cells as an integral membrane glycoprotein anchored through a transmembrane peptide, whereas FCGR3B is expressed on polymorphonuclear neutrophils (PMN) where the receptor is anchored through a phosphatidylinositol (PI) linkage. Mutations in this gene have been linked to susceptibility to recurrent viral infections,

susceptibility to systemic lupus erythematosus, and alloimmune neonatal neutropenia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

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 Cd16 antibody should be determined by the researcher.

Immunogen

Amino acids ALYFYVRRNLQTPREYWRK from the mouse protein were used as the immunogen for the Cd16 antibody.

Storage

After reconstitution, the Cd16 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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