

Rat anti-Mouse CD16/CD32 mAb (Mouse Fc Block)

Catalog No.: A29013

Basic Information

Observed MW

Calculated MW

30 kDa/32 kDa/34 kDa/37 kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Mouse

CloneNo number

ATC10012

Background

Enables IgG binding activity and IgG receptor activity. Acts upstream of or within several processes, including antibody-dependent cellular cytotoxicity; phagocytosis; and positive regulation of hypersensitivity. Located in external side of plasma membrane. Is expressed in liver and spleen. Human ortholog(s) of this gene implicated in several diseases, including autoimmune disease (multiple); dengue disease (multiple); hematologic cancer (multiple); leukopenia (multiple); and malaria (multiple). Orthologous to human FCGR2A (Fc gamma receptor 2a). Enables IgG binding activity. Involved in several processes, including Fc receptor-mediated immune complex endocytosis; nervous system development; and regulation of response to endoplasmic reticulum stress. Acts upstream of or within several processes, including antigen processing and presentation of exogenous peptide antigen via MHC class II; negative regulation of immune effector process; and regulation of phagocytosis. Located in cell body; dendritic spine; and external side of plasma membrane. Is expressed in several structures, including adipose tissue; bone; liver; lung; and spleen. Used to study malaria and systemic lupus erythematosus. Human ortholog(s) of this gene implicated in several diseases, including autoimmune disease (multiple); dengue disease (multiple); hematologic cancer (multiple); leukopenia (multiple); and malaria (multiple). Orthologous to several human genes including FCGR2A (Fc gamma receptor 2a) and FCGR2B (Fc gamma receptor 2b).

Recommended Dilutions

FC 1 µg per 10⁶ cells in
100 µl volume.

Immunogen Information

Gene ID

14131/14130

Swiss Prot

P08508/P08101

Immunogen

This information is considered to be commercially sensitive.

Synonyms

CD16; CD32; Fcgr2; Fcr-2; Fcr-3; Ly-17; LyM-1; Lym-1; fcRII; FcgrII; Fcgr2a; Ly-m20; Fc[g]RII; F630109E10Rik

Contact

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Product Information

Source

Rat

Isotype

Rat IgG2b, κ Isotype Ctrl

Purification

Affinity purification

Storage

Store at 4°C. Avoid freeze.

Buffer: PBS,pH7.2.