

Technical Data Sheet

Anti-Mouse CD16/32

Catalog Number: 201801, 201802

Size: 100 ug, 500 ug

Target Name: CD16/32

Regulatory Status: RUO

Product Details

Clone: 2.4G2

Application: FC

Reactivity: Mouse

Format: Purified

Isotype: Rat IgG2b

Antibody Type: Monoclonal

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide

Protein Concentration: 0.5 mg/mL

Storage&Handling: The antibody solution should be stored between 2°C and 8°C

Background Information

CD16/32 are Fc-gamma receptors (Fc γ Rs) expressed on a variety of immune cells, including B cells, monocytes/macrophages, NK cells, granulocytes, mast cells, and dendritic cells. CD16 corresponds to the low-affinity Fc receptor III (Fc γ RIII), while CD32 corresponds to Fc receptor II (Fc γ RII). These receptors bind antibody-antigen immune complexes, linking innate and adaptive immunity and mediating adaptive immune responses. In research, antibodies against CD16/CD32 are commonly used to block Fc receptor-mediated interactions, preventing non-specific binding of antibodies or immunoglobulin complexes to immune cells during experiments such as flow cytometry and immunohistochemistry, thereby improving experimental accuracy.