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InnoCyto Inc.

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# Anti-Mouse CD16/32 Antibody

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| **Catalog Number:** | 201801, 201802 |
| **Size:** | 50 μg, 500 μg |
| **Target Name:** | CD16/32 |
| **Regulatory Status:** | RUO |

## PRODUCT DETAILS

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| **Clone:** | 2.4G2 |
| **Application:** | Flow Cytometry |
| **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 |
| **Recommended Usage:** | For flow cytometric staining, it is recommended to use less than 0.2 µg of this reagent per 0.5-1.0 million cells in a 100 µL volume. Optimal reagent performance should be determined by titration for each specific application |
| **Isotype Control:** | 300301 |
| **RRID:** | AB_3739063 |

## BACKGROUND INFORMATION

CD16/32 are Fc-gamma receptors (FcγRs) 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 (FcγRIII), while CD32 corresponds to Fc receptor II (FcγRII). 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.