InnoCyto Inc.
15375 Barranca Pkwy, Suite I-103
Irvine, CA 92618

Technical Data Sheet

iF647 Anti-Mouse CD16/32

Catalog Number: 201803, 201804
Size: 25 tests, 100 tests
Target Name: CD16/32
Regulatory Status: RUO

Product Details

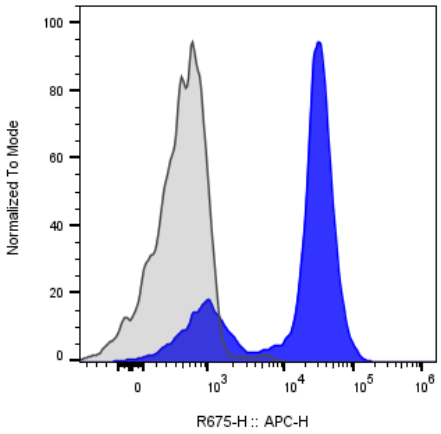
Clone: 2.4G2
Application: FC
Reactivity: Mouse
Format: iF647
Isotype: Rat IgG2b
Antibody Type: Monoclonal
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA
Protein Concentration: Supplied at a lot-specific concentration.
Storage&Handling: The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Recommended Usage: For flow cytometric staining, it is recommended to use 5 uL 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.
Excitation Laser: Red Laser (633 nm)

Background Information

CD16/32 are Fc-gamma receptors (Fc?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?RIII), while CD32 corresponds to Fc receptor II (Fc?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.

Product Data

InnoCyto Inc.
15375 Barranca Pkwy, Suite I-103
Irvine, CA 92618



Mouse splenocytes stained with either iF647 Anti-Mouse CD16/32 clone 2.4G2 (blue histogram) or an isotype control (gray histogram).