www.innocyto.com

InnoCyto Inc.

15375 Barranca Pkwy, Suite I-103
Irvine, CA 92618
Email: info@innocyto.com
Phone: 1-949-418-7543

PB Anti-Mouse CD16/32 Antibody

Catalog Number:	201821, 201822
Size:	25 µg, 100 µg
Target Name:	CD16/32
Regulatory Status:	RUO

PRODUCT DETAILS

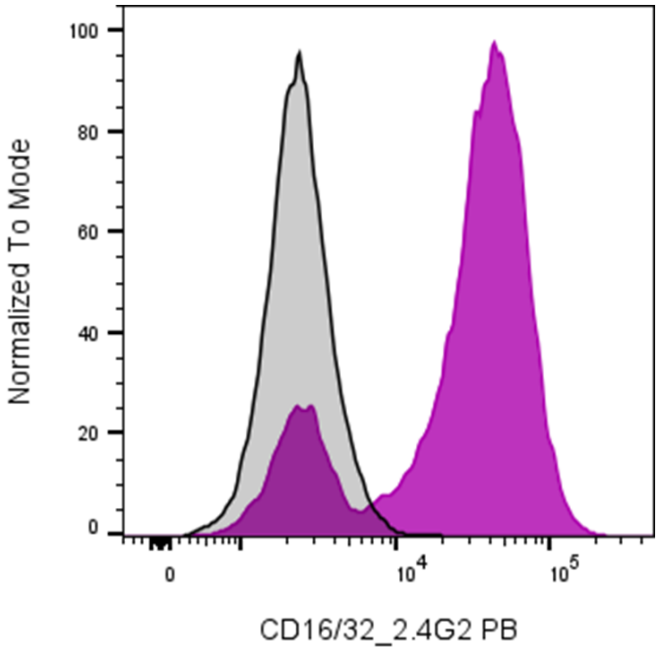
Clone:	2.4G2
Application:	Flow Cytometry
Reactivity:	Mouse
Format:	PB
Isotype:	Rat IgG2b
Antibody Type:	Monoclonal
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA
Protein Concentration:	0.2 mg/mL
Storage&Handling:	The antibody solution should be stored 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 less than 0.25 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. Pacific Blue has an excitation max at 404 nm and an emission max at 455 nm.
Excitation Laser:	Violet laser (405nm)
Isotype Controls:	303610
Antibody Family:	Mouse Antibodies
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.
Isotype Control:	303610

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.

PRODUCT DATA



C57BL/6 Mouse splenocytes were stained with PB Anti-Mouse CD16/32 clone 2.4G2 (color-filled histogram) or an isotype control (gray histogram).

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