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InnoCyto Inc.

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PerCP/Cyanine5.5 Anti-Mouse CD16/32

Catalog Number:	201815, 201816
Size:	25 μg, 100 μg
Target Name:	CD16/32
Regulatory Status:	RUO

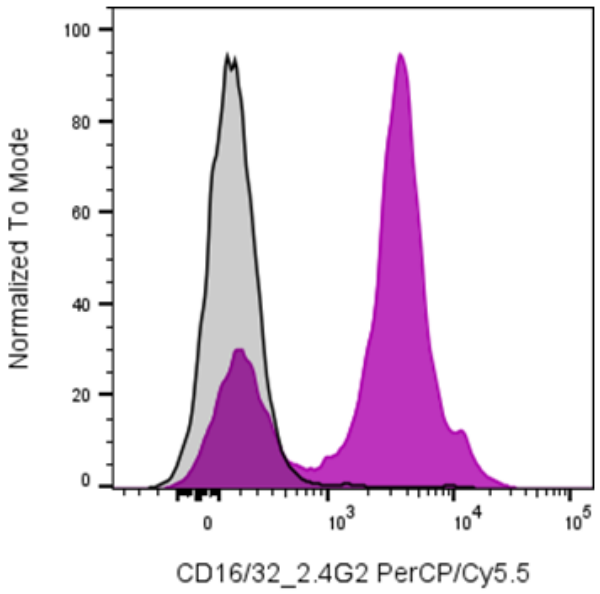
PRODUCT DETAILS

Clone:	2.4G2
Application:	Flow Cytometry
Reactivity:	Mouse
Format:	PerCP/Cyanine5.5
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 less than 0.3 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. PerCP/Cyanine5.5 has an excitation max at 482 nm and an emission max at 695 nm.
Excitation Laser:	Blue Laser (488 nm)
Isotype Control:	303608

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



BALB/c Mouse splenocytes were stained with PerCP/Cy5.5 Anti-Mouse CD16/32 clone 2.4G2 (color-filled histogram) or an isotype control (gray histogram).

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