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InnoCyto Inc.

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Mouse Fc blocking reagent

Catalog Number:	201813, 201814
Size:	100 μg, 500 μg
Target Name:	CD16/32
Regulatory Status:	RUO

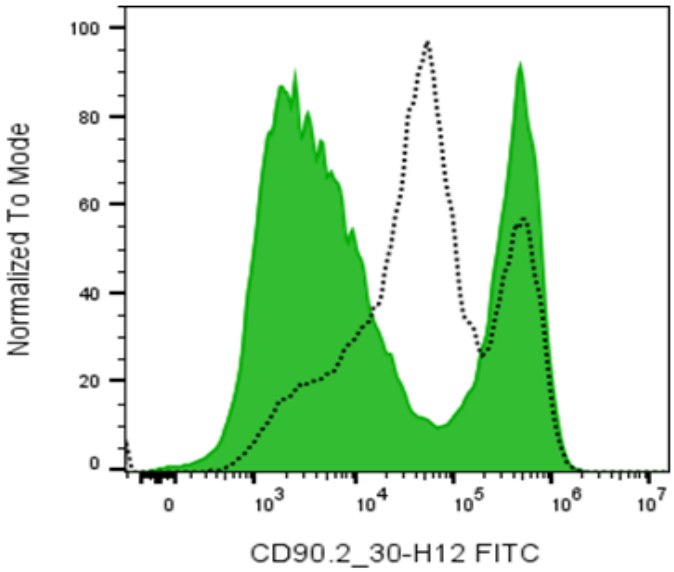
PRODUCT DETAILS

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 analysis, block Fc receptors by pre-incubating cells with a mouse Fc blocker for 5–10 minutes on ice at 1.0 µg per 10^6 cells in a volume of 100 µL prior to immunostaining. Washing between the blocking step and primary antibody staining is not required.
Isotype Controls:	N/A
Antibody Family:	Mouse Antibodies
GeneID:	14131, 14130

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



Mouse splenocytes were incubated with Innocyto Mouse Fc blocking reagent (1 ug/1e6 cells; color-filled histogram) and then stained with FITC anti-Mouse CD90. 2 clone 30-H12. Untreated cells are shown as the dotted-line histogram.

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