

Technical Data Sheet

iF647 Anti-Mouse CD11c

Catalog Number: 203103, 203104
Size: 25 tests, 100 tests
Target Name: CD11c, integrin α X chain, CR4, ITGAX, p150
Regulatory Status: RUO

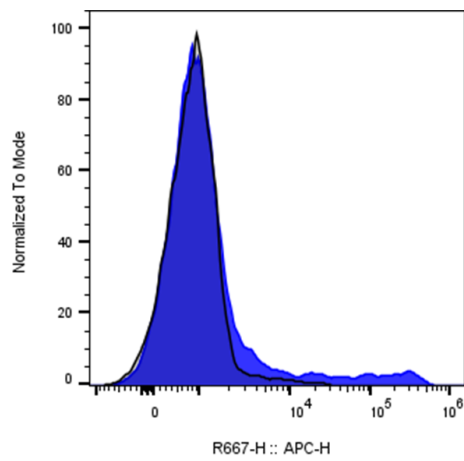
Product Details

Clone: N418-mG1
Application: FC
Reactivity: Mouse
Format: iF647
Isotype: Mouse IgG1
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 μ L of this reagent per 0.5-1.0 million cells in a 100 μ L volume. Optimal reagent performance should be determined by titration for each specific application.
Excitation Laser: Red Laser (633 nm)

Background Information

CD11c (Integrin α X, CR4, p150) is a ~150 kDa type I transmembrane glycoprotein that pairs non-covalently with β 2 integrin (CD18) to form the α X β 2 heterodimer. It is expressed mainly on dendritic cells, with additional expression on NK cells, subsets of intestinal intraepithelial lymphocytes, monocytes/macrophages, granulocytes, and some activated T and B cells. CD11c/CD18 binds iC3b, fibrinogen, and CD54 (ICAM-1), mediating cell–cell adhesion, phagocytosis of opsonized particles, and immune cell trafficking.

Product Data



Mouse splenocytes were stained with iF647 Anti-Mouse CD11c clone N418 (color-filled histogram) or an isotype control (gray histogram) .