

Technical Data Sheet

FITC Anti-Mouse CD11c

Catalog Number: 201603, 201604

Size: 25 tests, 100 tests

Target Name: CD11c, integrin α X chain, CR4, ITGAX, p150

Regulatory Status: RUO

Product Details

Clone: N418

Application: FC

Reactivity: Mouse

Format: FITC

Isotype: Armenian Hamster IgG

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 and Handling: The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.

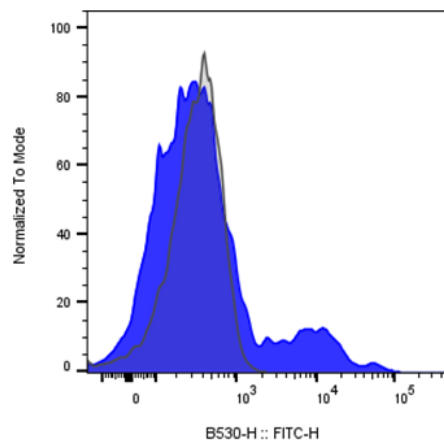
Recommended Usage: For flow cytometric staining, it is recommended to use 5 μ L of this reagent per 0.5-1.0 million cells in a 100 μ L volume. Optimal reagent performance should be determined by titration for each specific application.

Excitation Laser: Blue Laser (488 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 stained with either FITC anti-Mouse CD11c clone N418 (blue histogram) or an isotype control (gray histogram).