

## iF560 Anti-Mouse CD11c (integrin $\alpha$ X) Antibody

<b>Catalog Number:</b>	203105, 203106
<b>Size:</b>	25 tests, 100 tests
<b>Target Name:</b>	CD11c, integrin $\alpha$ X chain, CR4, ITGAX, p150
<b>Regulatory Status:</b>	RUO

### PRODUCT DETAILS

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<b>Clone:</b>	N418-mG1
<b>Application:</b>	Flow Cytometry
<b>Reactivity:</b>	Mouse
<b>Format:</b>	iF560
<b>Isotype:</b>	Mouse IgG1
<b>Antibody Type:</b>	Monoclonal
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA
<b>Protein Concentration:</b>	Supplied at a lot-specific concentration.
<b>Storage&amp;Handling:</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
<b>Recommended Usage:</b>	For flow cytometric staining, it is recommended to use 5 $\mu$ L of this reagent per 0.5-1.0 million cells in a 100 $\mu$ L volume. Optimal reagent performance should be determined by titration for each specific application. iF560 has an excitation max at 560 nm and an emission max at 571 nm.
<b>Excitation Laser:</b>	Green/Yellow laser (532/561nm)
<b>Isotype Control:</b>	301412

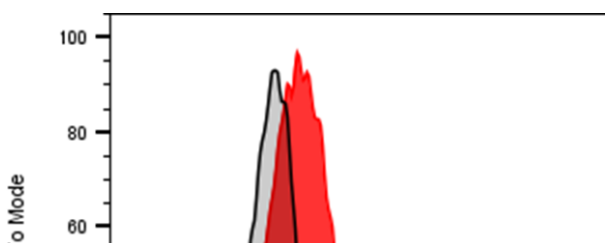
### BACKGROUND INFORMATION

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CD11c (Integrin  $\alpha$ X, CR4, p150) is a ~150 kDa type I transmembrane glycoprotein that pairs non-covalently with  $\beta$ 2 integrin (CD18) to form the  $\alpha$ X $\beta$ 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

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Mouse splenocytes were stained with either iF560 Anti-mouse

CD11c antibody clone N418-mG1 (color-filled histogram) or an isotype (gray histogram).

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