

## Antibodies

### Anti-Mouse CD11c Antibody, Clone N418, FITC



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TOLL FREE PHONE 1 800 667 0322 • PHONE +1 604 877 0713

[INFO@STEMCELL.COM](mailto:INFO@STEMCELL.COM) • [TECHSUPPORT@STEMCELL.COM](mailto:TECHSUPPORT@STEMCELL.COM)

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Catalog #60002FI  
#60002FI.1

Hamster (Armenian) monoclonal IgG antibody against mouse CD11c, FITC-conjugated

500 µg 0.5 mg/mL  
50 µg 0.5 mg/mL

## Product Description

The N418 antibody reacts with CD11c ( $\alpha$ X integrin), a 150 kDa type 1 transmembrane glycoprotein that associates non-covalently with CD18 ( $\beta$ 2 integrin) to form a heterodimeric cell surface adhesion receptor. Through its interaction with ligands such as iC3b, fibrinogen, and CD54, the CD11c/CD18 receptor is involved in several immune response processes, including cell migration, stimulation of cytokine production by monocytes and macrophages, T cell proliferation, leukocyte recruitment, and phagocytosis. In mice, CD11c is expressed on dendritic cells, macrophages, monocytes, granulocytes, NK cells, and a subset of T cells.

Target Antigen Name:	CD11c
Alternative Names:	alphaX integrin, CR4, integrin alphaX chain, p150
Gene ID:	16411
Species Reactivity:	Mouse
Host Species:	Hamster (Armenian)
Clonality:	Monoclonal
Clone:	N418
Isotype:	IgG
Immunogen:	Mouse spleen dendritic cells
Conjugate:	FITC (Fluorescein isothiocyanate)

## Applications

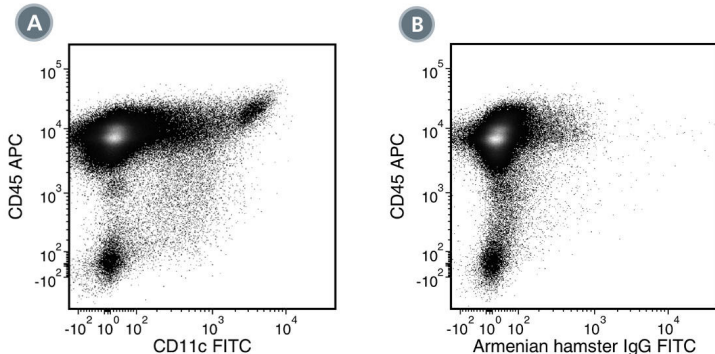
Verified:	FC
Reported:	FC
Special Applications:	This antibody clone has been verified for purity assessments of cells isolated with EasySep™ kits, including EasySep™ Mouse CD11c Positive Selection Kit II (Catalog #18780).

Abbreviations: CellSep: Cell separation; ChIP: Chromatin immunoprecipitation; FA: Functional assay; FACS: Fluorescence-activated cell sorting; FC: Flow cytometry; ICC: Immunocytochemistry; IF: Immunofluorescence microscopy; IHC: Immunohistochemistry; IP: Immunoprecipitation; RIA: Radioimmunoassay; WB: Western blotting

## Properties

Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Purification:	The antibody was purified by affinity chromatography and conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC.
Stability and Storage:	Product stable at 2 - 8°C when stored undiluted. Do not freeze. Protect product from prolonged exposure to light. For product expiry date, please contact <a href="mailto:techsupport@stemcell.com">techsupport@stemcell.com</a> .
Directions for Use:	For flow cytometry, the suggested use of this antibody is $\leq 0.25 \mu\text{g}$ per $1 \times 10^6$ cells in 100 $\mu\text{L}$ . It is recommended that the antibody be titrated for optimal performance for each application.

## Data



(A) Flow cytometry analysis of C57BL/6 mouse splenocytes labeled with Anti-Mouse CD11c Antibody, Clone N418, FITC and Anti-Mouse CD45 Antibody, Clone 30-F11, APC (Catalog #60030AZ).

(B) Flow cytometry analysis of C57BL/6 mouse splenocytes labeled with an Armenian hamster IgG FITC isotype control antibody and Anti-Mouse CD45 Antibody, Clone 30-F11, APC.

## Related Products

For a complete list of antibodies, including other conjugates, sizes and clones, as well as related products available from STEMCELL Technologies, please visit our website at [www.stemcell.com/antibodies](http://www.stemcell.com/antibodies) or contact us at [techsupport@stemcell.com](mailto:techsupport@stemcell.com).

## References

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