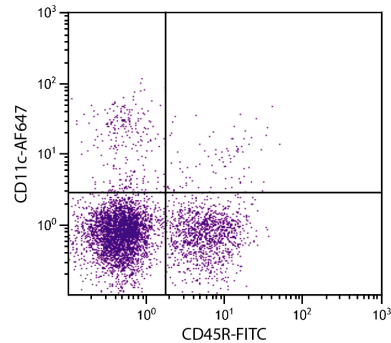




Hamster Anti-Mouse CD11c

Cat. No.	Format	Size
1565-01	Purified (UNLB)	0.5 mg
1565-02	Fluorescein (FITC)	0.5 mg
1565-09	R-phycoerythrin (PE)	0.1 mg
1565-11	Allophycocyanin (APC)	0.1 mg
1565-26	Pacific Blue™ (PACBLU)	0.1 mg
1565-27	Alexa Fluor® 700 (AF700)	0.1 mg
1565-30	Alexa Fluor® 488 (AF488)	0.1 mg
1565-31	Alexa Fluor® 647 (AF647)	0.1 mg



C57BL/6 mouse splenocytes were stained with Hamster Anti-Mouse CD11c-AF647 (SB Cat. No. 1565-31) and Rat Anti-Mouse CD45R-FITC (SB Cat. No. 1665-02).

Overview

Clone	N418
Isotype	Hamster (Armenian) IgG ₂
Immunogen	Mouse spleen dendritic cells
Specificity	Mouse CD11c; Mr 150 kDa
Alternate Name(s)	p150, integrin α_x , CR4, 95 α subunit, ITGAV

Description

Also known as α_x integrin, CR4, and p150, CD11c is primarily expressed on dendritic cells, NK cells, a subset of intestinal intraepithelial lymphocytes (IEL) and some activated T cells. CD11c and CD18 (β_2 integrin) form a $\alpha_x\beta_2$ heterodimer that plays an important role in cell-cell contact by binding its ligands: iC3b, fibrinogen, and CD54.

Applications

FC – Quality tested ^{1,3}
 IHC-FS – Reported in literature ^{1,2}
 EM – Reported in literature ⁴
 IP – Reported in literature ¹

Working Dilutions

Flow Cytometry	Purified (UNLB) antibody	$\leq 2 \mu\text{g}/10^6$ cells
	FITC, PACBLU, and AF488 conjugates	$\leq 2 \mu\text{g}/10^6$ cells
	PE, APC, AF647, and AF700 conjugates	$\leq 0.2 \mu\text{g}/10^6$ cells
	For flow cytometry, the suggested use of these reagents is in a final volume of 100 μL	
Other Applications	Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.	

For Research Use Only. Not for Diagnostic or Therapeutic Use.

Handling and Storage

- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (PE) and allophycocyanin (APC) conjugates are supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Pacific Blue™ (PACBLU), Alexa Fluor® 488 (AF488), Alexa Fluor® 647 (AF647), and Alexa Fluor® 700 (AF700) conjugates are supplied as 0.1 mg in 0.2 mL of PBS/NaN₃. Store at 2-8°C.
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific SDS.

References

1. Metlay JP, Witmer-Pack M, Agger R, Crowley MT, Lawless D, Steinman RM. The distinct leukocyte integrins of mouse spleen dendritic cells as identified with new hamster monoclonal antibodies. *J Exp Med.* 1990;171:1753-71. (Immunogen, FC, IHC-FC, IP)
2. Agger R, Witmer-Pack M, Romani N, Stossel H, Swiggard WJ, Metlay JP, et al. Two populations of splenic dendritic cells detected with M342, a new monoclonal to an intracellular antigen of interdigitating dendritic cells and some B lymphocytes. *J Leukoc Biol.* 1992;52:34-42. (IHC-FS)
3. Delong P, Tanaka T, Krukltis R, Henry AC, Kapoor V, Kaiser LR, et al. Use of cyclooxygenase-2 inhibition to enhance the efficacy of immunotherapy. *Cancer Res.* 2003;63:7845-52. (FC)
4. Reis e Sousa C, Stahl PD, Austyn JM. Phagocytosis of antigens by Langerhans cells in vitro. *J Exp Med.* 1993;178:509-19. (EM)

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