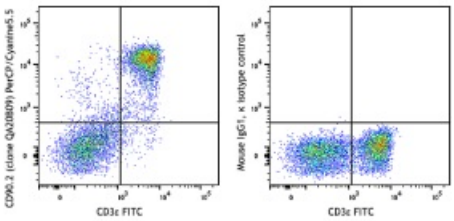
SONY

Product Data Sheet

FITC anti-mouse CD11c

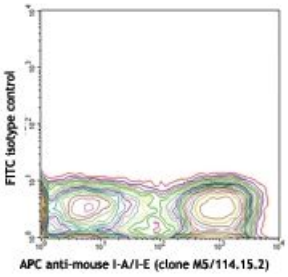
Catalog # / Size:	1186525 / 50 µg 1186530 / 500 µg
Clone:	N418
Isotype:	Hamster IgG
Immunogen:	Mouse spleen dendritic cells
Reactivity:	Mouse
Preparation:	The antibody was purified by affinity chromatography, and conjugated with FITC under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Workshop Number:	V B-CD73.3
Concentration:	0.5



C57BL/6 mouse splenocytes were stained with anti-mouse CD3ε FITC and anti-mouse CD90.2 (Thy1.2) recombinant (clone QA20B09) PerCP/Cyanine5.5 (left) or mouse IgG1, κ PerCP/Cyanine5.5 isotype control (right).

Applications:

Applications:	Flow Cytometry
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.
Application Notes:	Additional reported applications (for the relevant formats) include: immunoprecipitation[3], immunohistochemical staining of acetone-fixed frozen sections[3], and immunofluorescence microscopy[5, 9] (Alexa Fluor® 488 conjugated N418 was used for IHC in frozen sections[10]).



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Application References:

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Description: CD11c is a 150 kD glycoprotein also known as α_X integrin, CR4, and p150. CD11c forms a $\alpha_X\beta_2$ heterodimer with β_2 integrin (CD18). It is primarily expressed on dendritic cells, NK cells, a subset of intestinal intraepithelial lymphocytes (IEL), and some activated T cells. The $\alpha_X\beta_2$ integrin plays an important role in cell-cell contact by binding its ligands: iC3b, fibrinogen, and CD54.

Antigen References:

1. Barclay A, *et al.* 1997. The Leukocyte Antigen Facts Book Academic Press.
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3. Lopez-Rodriguez C, *et al.* 1996. *J. Immunol.* 156:3780.

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