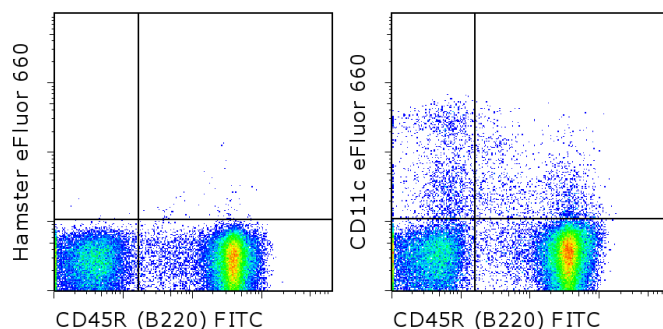


## Anti-Mouse CD11c eFluor<sup>®</sup> 660 (Alexa<sup>®</sup> 647 Replacement)

**Catalog Number:** 50-0114

**Also known as:** Integrin alpha X, p150/95

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Staining of C57Bl/6 splenocytes with Anti-Human/Mouse CD45R (B220) FITC (cat. 11-0452) and 0.06 ug of Armenian Hamster IgG Isotype Control eFluor<sup>®</sup> 647 (cat. 50-4888) (left) or 0.06 ug of Anti-Mouse CD11c eFluor<sup>®</sup> 660 (right). Total viable cells were used for analysis.

### Product Information

**Contents:** Anti-Mouse CD11c eFluor<sup>®</sup> 660 (Alexa<sup>®</sup> 647 Replacement)

**REF** **Catalog Number:** 50-0114

**Clone:** N418

**Concentration:** 0.2 mg/mL

**Host/Isotype:** Armenian Hamster IgG

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light-sensitive material.

**Batch Code:** Refer to vial

**Use By:** Refer to vial

**Contains sodium azide**



### Description

The N418 monoclonal antibody reacts with mouse CD11c, the integrin alpha X. CD11c non-covalently associates with beta 2 integrin to form the CD11c/CD18 heterodimer. CD11c is expressed by dendritic cells, a subset of Intestinal Intraepithelial Lymphocytes (IEL) and some activated T cells. CD11c/CD18 binds to CD54, iC3b and fibrinogen and plays a role in leukocyte adhesive interactions. N418 binds to CD11c on splenic dendritic cells in the T-dependent areas of mouse spleen and precipitates a 150, 90 kDa heterodimer.

### Applications Reported

This N418 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This N418 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.125 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**eFluor<sup>®</sup> 660 is a replacement for Alexa Fluor<sup>®</sup> 647. eFluor<sup>®</sup> 660 emits at 659 nm and is excited with the red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochrome.**

### References

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Ohteki T, Tada H, Ishida K, Sato T, Maki C, Yamada T, Hamuro J, Koyasu S. Essential roles of DC-derived IL-15 as a mediator of inflammatory responses in vivo. *J Exp Med.* 2006 Oct 2;203(10):2329-38. N418, IHC frozen)

Zhang J, Kawashima N, Suda H, Nakano Y, Takano Y, Azuma M. The existence of CD11c+ sentinel and F4/80+

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interstitial dendritic cells in dental pulp and their dynamics and functional properties. *Int Immunol.* 2006 Sep;18(9):1375-84. (N418, IHC frozen)

Guiducci C, Vicari AP, Sangaletti S, Trinchieri G, Colombo MP. Redirecting in vivo elicited tumor infiltrating macrophages and dendritic cells towards tumor rejection. *Cancer Res.* 2005 Apr 15;65(8):3437-46. (N418, IHC frozen)

Esche C, Gambotto A, Satoh Y, Gerein V, Robbins PD, Watkins SC, Lotze MT, Shurin MR. CD154 inhibits tumor-induced apoptosis in dendritic cells and tumor growth. *Eur J Immunol.* 1999 Jul;29(7):2148-55.

Finkelman FD, Lees A, Birnbaum R, Gause WC, Morris SC. Dendritic cells can present antigen in vivo in a tolerogenic or immunogenic fashion. *J Immunol.* 1996 Aug 15;157(4):1406-14.

Crowley MT, Inaba K, Witmer-Pack MD, Gezelter S, Steinman RM. Use of the fluorescence activated cell sorter to enrich dendritic cells from mouse spleen. *J Immunol Methods.* 1990 Oct 4;133(1):55-66.

Metlay JP, Witmer-Pack MD, 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 May 1;171(5):1753-71.

### Related Products

00-4222 Flow Cytometry Staining Buffer

11-0452 Anti-Human/Mouse CD45R (B220) FITC (RA3-6B2)