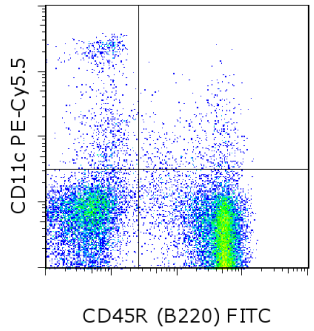
Anti-Mouse CD11c PE-Cyanine5.5

Catalog Number: 35-0114
Also known as: Integrin alpha X, Integrin aX, ITGAX
RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of BALB/c splenocytes with Anti-Human/Mouse CD45R (B220) FITC (cat. 11-0452) and 0.25 ug of Anti-Mouse CD11c PE-Cyanine5.5. Cells in the large scatter population were used for analysis.

Product Information

Contents: Anti-Mouse CD11c PE-Cyanine5.5
REF **Catalog Number:** 35-0114
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.
LOT **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 splenocyte suspensions. This can be used at less than or equal to 0.5 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Xin KQ, Mizukami H, Urabe M, Toda Y, Shinoda K, Yoshida A, Oomura K, Kojima Y, Ichino M, Klinman D, Ozawa K, Okuda K. Induction of robust immune responses against human immunodeficiency virus is supported by the inherent tropism of adeno-associated virus type 5 for dendritic cells. J Virol. 2006 Dec;80(24):11899-910. (**N418**, FC)

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

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.ebioscience.com • info@ebioscience.com

Anti-Mouse CD11c PE-Cyanine5.5

Catalog Number: 35-0114
Also known as: Integrin alpha X, Integrin aX, ITGAX
RUO: For Research Use Only. Not for use in diagnostic procedures.

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
35-4888 Armenian Hamster IgG Isotype Control PE-Cyanine5.5 (eBio299Arm)

Legal