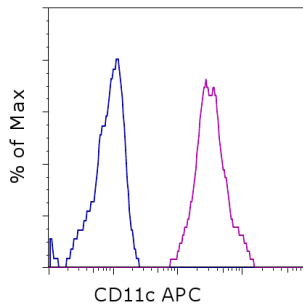


Anti-CD11c APC

Catalog Number: 17-0128

Also known as: Integrin alpha-X, p150, CR4, Integrin aX, ITGAX

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



Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control APC (cat. 17-4714) (blue histogram) or Anti-CD11c APC (purple histogram). Cells in the monocyte gate were used for analysis.

Product Information



Contents: Anti-CD11c APC

Catalog Number: 17-0128

Clone: BU15

Concentration: 5 uL (0.06 ug)/test

Host/Isotype: Mouse IgG1, kappa



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 BU15 monoclonal antibody reacts with canine, human, and non-human primate CD11c, the 150 kDa integrin aX chain. CD11c non-covalently associates with $\beta 2$ integrin to form the CD11c/CD18 heterodimer. This complex is expressed on monocytes, granulocytes, macrophages, NK, dendritic cells, and subset of T and B lymphocytes. CD11c/CD18 binds to CD54, iC3b and fibrinogen and plays a role in leukocyte adhesive interactions. CD11c also binds complement fragment iC3b to mediate phagocytosis of opsonized particles.

The BU15 antibody has been reported to crossreact to cynomolgus monkey. Moreover, this antibody has been reported to exhibit blocking activity. Crossblocking studies suggest that BU15 recognizes a different epitope from clone 3.9.

Applications Reported

This BU15 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This BU15 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 uL (0.06 ug) per test. A test is defined as the amount (ug) of antibody that will stain a cell sample in a final volume of 100 uL. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

References

Sadhu C, Hendrickson L, Dick KO, Potter TG, Staunton DE. Novel tools for functional analysis of CD11c: activation-specific, activation-independent, and activating antibodies. *J Immunoassay Immunochem.* 2008;29(1):42-57. (BU15, FA)

Sadhu C, Ting HJ, Lipsky B, Hensley K, Garcia-Martinez LF, Simon SI, Staunton DE. CD11c/CD18: novel ligands and a role in delayed-type hypersensitivity. *J Leukoc Biol.* 2007 Jun;81(6):1395-403. (BU15, FA, FC)

Not for further distribution without written consent.

Copyright © 2000-2012 eBioscience, Inc.

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

Anti-CD11c APC

Catalog Number: 17-0128

Also known as: Integrin alpha-X, p150, CR4, Integrin aX, ITGAX

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

Trowald-Wigh G, Johannisson A, Håkansson L. Canine neutrophil adhesion proteins and Fc-receptors in healthy dogs and dogs with adhesion protein deficiency, as studied by flow cytometry. *Vet Immunol Immunopathol.* 1993 Oct;38(3-4):297-310. (BU15, FC)

Postigo AA, Corbí AL, Sánchez-Madrid F, de Landázuri MO. Regulated expression and function of CD11c/CD18 integrin on human B lymphocytes. Relation between attachment to fibrinogen and triggering of proliferation through CD11c/CD18. *J Exp Med.* 1991 Dec 1;174(6):1313-22. (BU15, FC)

Related Products

00-4222 Flow Cytometry Staining Buffer

17-4714 Mouse IgG1 K Isotype Control APC (P3.6.2.8.1)

Not for further distribution without written consent.

Copyright © 2000-2012 eBioscience, Inc.

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