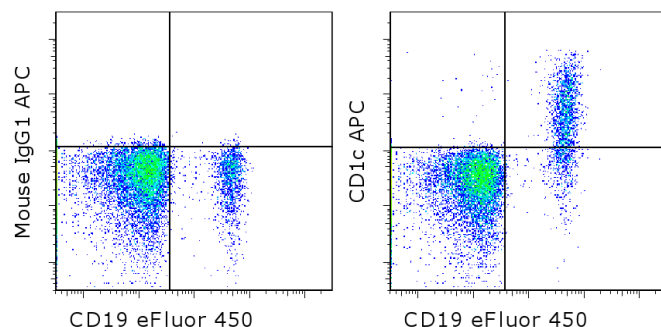


Anti-Human CD1c APC

Catalog Number: 17-0015

Also known as: BDCA-1

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



Staining of normal human peripheral blood cells with Anti-Human CD19 eFluor® 450 (cat. 48-0199) and Mouse IgG1 K Isotype Control APC (cat. 17-4714) (left) or Anti-Human CD1c APC (right). Cells in the lymphocyte gate were used for analysis.

Product Information



Contents: Anti-Human CD1c APC

Catalog Number: 17-0015

Clone: L161

Concentration: 5 µL (0.06 µg)/test

Host/Isotype: Mouse IgG1



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

Description

This L161 monoclonal antibody detects CD1c (also known as BDCA-1), a glycoprotein that is noncovalently linked to beta-2 microglobulin on thymocytes and antigen presenting cells such as dendritic and Langerhans cells. This molecule is also expressed on some circulating and marginal zone B cells, as well as in lymph nodes and germinal centers. CD1c is involved in the presentation of lipid antigens such as microbial fatty acids to effector T cells during the adaptive immune response. Finally, alternative splicing gives rise to three different isoforms of CD1c (soluble, membrane, and cytoplasmic/soluble isoforms).

Applications Reported

This L161 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This L161 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.06 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 10⁵ to 10⁸ cells/test.

References

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del C Salamone M, Mendiguren AK, Salamone GV, Fainboim L. Membrane trafficking of CD1c on activated T cells. J Leukoc Biol. 2001 Oct;70(4):567-77.

Briken V, Jackman RM, Watts GF, Rogers RA, Porcelli SA. Human CD1b and CD1c isoforms survey different

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intracellular compartments for the presentation of microbial lipid antigens. J Exp Med. 2000 Jul 17;192(2):281-8.

Related Products

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

48-0199 Anti-Human CD19 eFluor® 450 (HIB19)