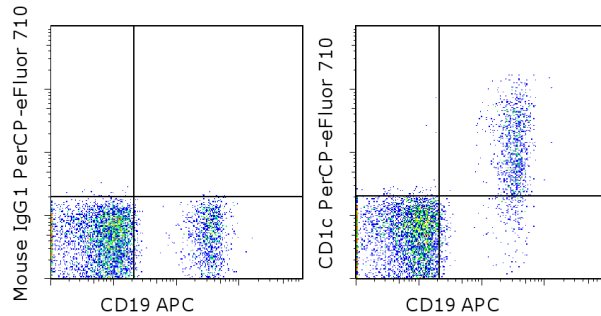


Anti-Human CD1c PerCP-eFluor[®] 710

Catalog Number: 46-0015

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 APC (cat. 17-0199) and Mouse IgG1 K Isotype Control PerCP-eFluor[®] 710 (cat. 46-4714) (left) or Anti-Human CD1c PerCP-eFluor[®] 710 (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD1c PerCP-eFluor[®] 710

REF **Catalog Number:** 46-0015

Clone: L161

Concentration: 5 uL (0.06 ug)/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

Contains sodium azide



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.

PerCP-eFluor[®] 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor[®] 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 uL cell sample + 100 uL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

References

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Related Products

11-0116 Anti-Human CD11c FITC (3.9)

17-0199 Anti-Human CD19 APC (HIB19)

46-4714 Mouse IgG1 K Isotype Control PerCP-eFluor[®] 710 (P3.6.2.8.1)

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