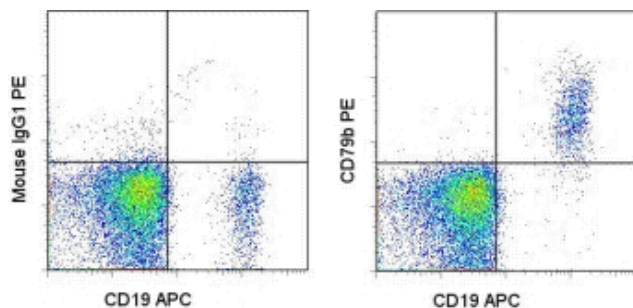


Anti-Human CD79b PE

Catalog Number: 12-0793

Also Known As: Ig-beta, B cell Receptor

RUO: For Research Use Only



Staining of normal human peripheral blood cells with Anti-Human CD19 APC (cat. 17-0199) and Mouse IgG1 K Isotype Control PE (cat. 12-4714) (left) or Anti-Human CD79b PE (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD79b PE

REF **Catalog Number:** 12-0793

Clone: CB3-1

Concentration: 5 μ L (0.5 μ g)/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.

LOT **Batch Code:** Refer to Vial

Use By: Refer to Vial

Description

This CB3-1 monoclonal antibody reacts with human CD79b, the B cell antigen receptor Ig-beta chain. Together with the Ig alpha chain, also known as CD79a, this cell surface molecule forms a heterodimeric complex that associates with membrane immunoglobulin (mIgM). CD79b expression is exclusive to B lymphocytes and B cell lymphomas. Depending on the maturation state of the B cell, CD79b can be expressed either in the cytoplasm or on the cell surface. The CD79 receptor complex triggers numerous signaling pathways to mediate B cell development, maintenance, and activation.

Applications Reported

This CB3-1 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This CB3-1 antibody has been pre-titrated and tested by flow cytometric analysis of normal peripheral blood cells. This can be used at 5 μ L (0.5 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

References

Astsaturov IA, Matutes E, Morilla R, Seon BK, Mason DY, Farahat N, Catovsky D. Differential expression of B29 (CD79b) and mb-1 (CD79a) proteins in acute lymphoblastic leukaemia. *Leukemia*. 1996 May;10(5):769-73.

Nakamura T, Kubagawa H, Cooper MD. Heterogeneity of immunoglobulin-associated molecules on human B cells identified by monoclonal antibodies. *Proc Natl Acad Sci U S A*. 1992 Sep 15;89(18):8522-6. (FC, WB)

Related Products

12-4714 Mouse IgG1 K Isotype Control PE

17-0199 Anti-Human CD19 APC (HIB19)

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