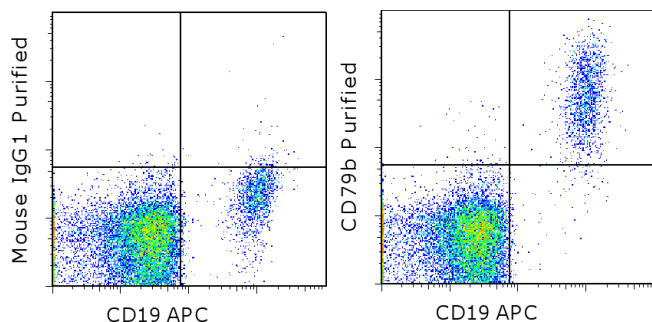


## Anti-Human CD79b Purified

**Catalog Number:** 14-0793

**Also known as:** Ig-beta, B cell Receptor

**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 0.25 ug of Mouse IgG1 kappa Isotype Control Purified (cat. 14-4714) (left) or 0.25 ug of Anti-Human CD79b Purified (right) followed by F(ab')<sub>2</sub> Anti-Mouse IgG PE (cat. 12-4012). Cells in the lymphocyte gate were used for analysis.

### Product Information

**Contents:** Anti-Human CD79b Purified  
**Catalog Number:** 14-0793  
**Clone:** CB3-1  
**Concentration:** 0.5 mg/mL  
**Host/Isotype:** Mouse IgG1

REF

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer  
**Temperature Limitation:** Store at 2-8°C.



**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 and immunoblotting (WB).

### Applications Tested

This CB3-1 antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. 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<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

Astsaturon 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

12-4012 F(ab')<sub>2</sub> Anti-Mouse IgG PE (Product Discontinued. Please refer to alternative product; cat. 12-4010) (polyclonal)  
14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.8.1)  
17-0199 Anti-Human CD19 APC (HIB19)

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[info@ebioscience.com](mailto:info@ebioscience.com)

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