

# Product Data Sheet

## PE anti-human CD79b (Igβ)

**Catalog # / Size:** 341403 / 25 tests  
341404 / 100 tests

**Clone:** CB3-1

**Isotype:** Mouse IgG1, κ

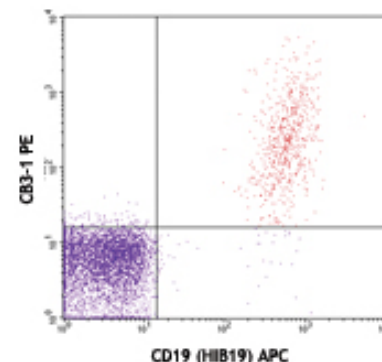
**Workshop Number:** VI CD79.1

**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

**Storage:** The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Human peripheral blood lymphocytes stained with CB3-1 PE and CD19 (HIB19) APC

## Applications:

**Applications:** FC - Quality tested

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 µl to 5 µl per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 µl staining volume or per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at [www.biolegend.com/testsize](http://www.biolegend.com/testsize) regarding the test size change.

**Application References:**

1. Nakamura T, et al. 1992. *P. Natl. Acad. Sci. USA* 89:8522.
2. Garcia Vela J, et al. 1999. *Leukemia*. 13:1501.
3. Yoshino N, et al. 2000. *Exp. Anim. (Tokyo)* 49:97. (FC)

**Description:** CD79 is a heterodimeric molecule comprised of an α-chain (CD79a) and β-chain (CD79b). A 37-39 kD type I integral membrane protein CD79b is non-covalently associated with CD79a and cell surface IgM to form the B-cell receptor (BCR) complex. CD79b is expressed on the surface of surface Ig (slg)-positive B cells and in the cytoplasm of slg-negative B cells. It is essential for signal transduction after surface Ig crosslinking.

**Antigen References:**

1. Zola H, et al. Eds. 2007. *Leukocyte and Stromal Cell Molecules: The CD Markers*. A John Wiley & Sons Inc.
2. Dylke J, et al. 2007. *Immunol. Lett.* 112:47

### Related Products:

**Product**  
 PE Mouse IgG1, κ Isotype Ctrl  
 Cell Staining Buffer  
 RBC Lysis Buffer (10X)  
 Human TruStain FcX™ (Fc Receptor Blocking Solution)

**Clone**  
 MOPC-21

**Application**  
 FC, ICFC  
 FC, ICC, ICFC  
 FC, ICFC  
 FC, ICC, ICFC



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