

Product Data Sheet

PerCP/Cy5.5 anti-human CD79b (Ig β)

Catalog # / Size: 341407 / 25 tests
341408 / 100 tests

Clone: CB3-1

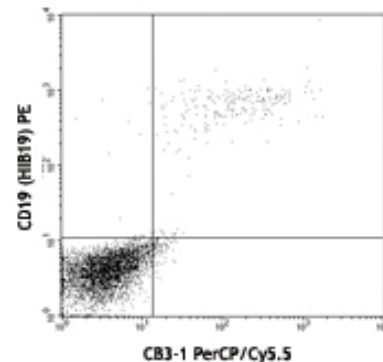
Isotype: Mouse IgG1, κ

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with PerCP/Cy5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cy5.5 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 PerCP/Cy5.5 and anti-CD19 (HIB19) PE

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is 5 μ l per million cells or 5 μ l per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* PerCP/Cy5.5 has a maximum absorption of 482 nm and 564 nm and a maximum emission of 690 nm.

Cy3, Cy5, Cy5.5 and Cy7 are subject to proprietary rights of GE Healthcare Bio-Sciences Corp. and Carnegie Mellon University and made and sold under license from GE Healthcare Bio-Sciences Corp. Sale of this product is licensed for research use only.

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
 PerCP/Cy5.5 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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