

PE/Cy7 anti-human CD79a (Igα)

Catalog # / Size: 2267545 / 25 tests
2267550 / 100 tests

Clone: HM47

Isotype: Mouse IgG1, κ

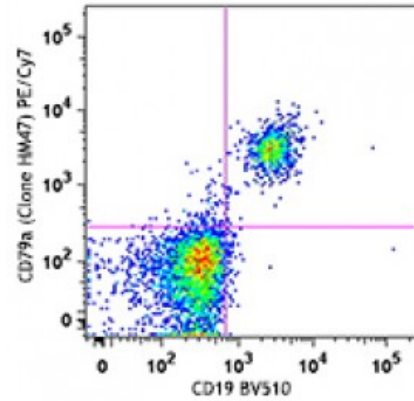
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Cy7 under optimal conditions. The solution is free of unconjugated PE/Cy7 and unconjugated antibody.

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

Workshop Number: V cB017

Concentration: Lot-specific

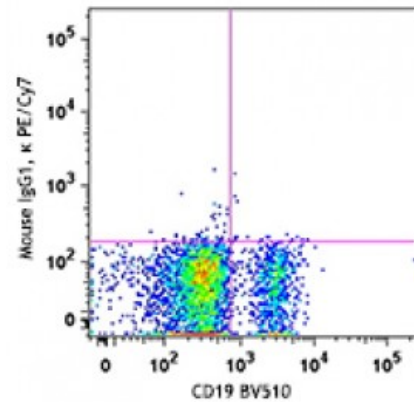


Human peripheral blood lymphocytes were stained with CD19 Brilliant Violet 510™, fixed, permeabilized, and then intracellularly stained with CD79a (clone HM47) PE/Cy7 (top) or mouse IgG1, κ PE/Cy7 isotype control (bottom).

Applications:

Applications: Flow Cytometry

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



- Application References:**
1. Mason DY, *et al.* 1991. *J. Immunol.* 147:2474
 2. Bhargava P, *et al.* 2007. *Am. J. Clin. Pathol.* 128:306

Description: CD79a is a 47 kD type I integral membrane protein, also known as mb-1 or Igα. It is a member of the Ig superfamily and disulphide-associated with CD79b (B29). The interaction of CD79a/CD79b heterodimer with B cell surface Ig forms B cell antigen complex. CD79a is expressed in B cells from early pre-B to plasma cell stage. It has been shown that CD79a is also weakly expressed in some precursors of T- and myeloid cells. CD79 mediates the transport of IgM to B cell surface and transduces signals initiated by BCR aggregation.

- Antigen References:**
1. Zola Heddy, *et al.* Eds. 2007. *Leukocyte and Stromal Cell Molecules: The CD markers.* WILEY-LISS
 2. Astsaturov IA, *et al.* 1996. *Leukemia* 10:769
 3. Mson DY, *et al.* 1995 *Blood* 86:1453
 4. Hashimo

