

**APC anti-human CD79a (Igα)**

**Catalog # / Size:** 2267525 / 25 tests  
2267530 / 100 tests

**Clone:** HM47

**Isotype:** Mouse IgG1, κ

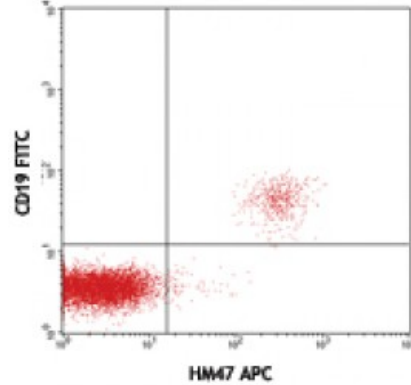
**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with APC under optimal conditions. The solution is free of unconjugated APC 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 surface stained with CD19 (HIB19) FITC and intracellular stained with HM47 APC

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 microL to 5 microL per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or 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 Iga. 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