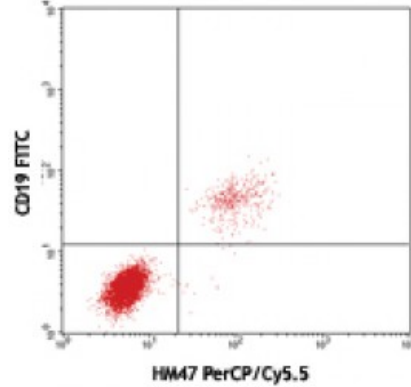


**PerCP/Cy5.5 anti-human CD79a (Igα)**

**Catalog # / Size:** 2267540 / 100 tests  
**Clone:** HM47  
**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).  
**Workshop Number:** V cB017  
**Concentration:** Lot-specific



Human peripheral blood lymphocytes surface stained with CD19 (HIB19) FITC and intracellular stained with HM47 PerCP/Cy5.5

**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.

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

- 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