

**FITC anti-human CD79a (Igα)**

**Catalog # / Size:** 2267560 / 100 tests  
2267555 / 25 tests

**Clone:** HM47

**Isotype:** Mouse IgG1, κ

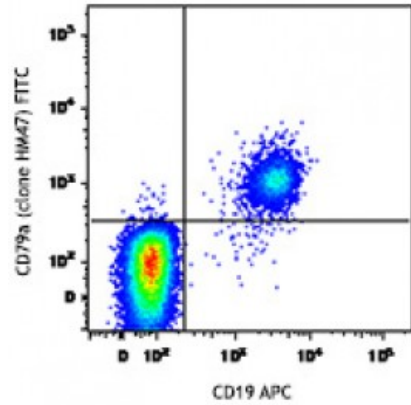
**Reactivity:** Human

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

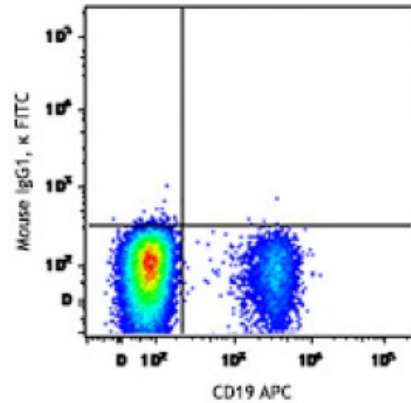


Human peripheral blood lymphocytes were stained with CD19 APC, fixed, permeabilized, and then stained with CD79a (clone HM47) FITC (top) or mouse IgG1, κ FITC isotype control (bottom).

**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 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