

Product Data Sheet

PerCP/Cy5.5 anti-human CD79a (Igα)

Catalog # / Size: 333508 / 100 tests

Clone: HM47

Isotype: Mouse IgG1, κ

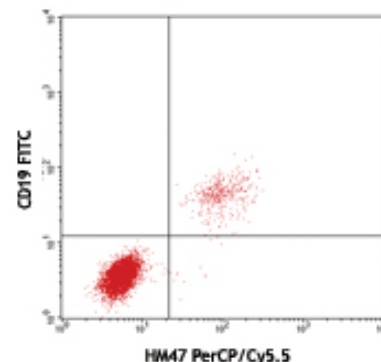
Workshop Number: V cB017

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

Applications:

Applications: ICFC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is 5 µl per million cells or 5 µl per 100 µl 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.

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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 47kD 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. Astsaturon IA, *et al.* 1996. *Leukemia* 10:769
3. Mson DY, *et al.* 1995 *Blood* 86:1453
4. Hashimoto M, *et al.* 2002. *J. Pathol.* 197:341

Related Products:

Product	Clone	Application
PerCP/Cy5.5 Mouse IgG1, κ Isotype Ctrl	MOPC-21	FC, ICFC
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC
Human TruStain FcX™ (Fc Receptor Blocking Solution)		FC, ICC, ICFC



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