

# Product Data Sheet

## APC anti-human CD79a (Igα)

**Catalog # / Size:** 333505 / 25 tests  
333506 / 100 tests

**Clone:** HM47

**Isotype:** Mouse IgG1, κ

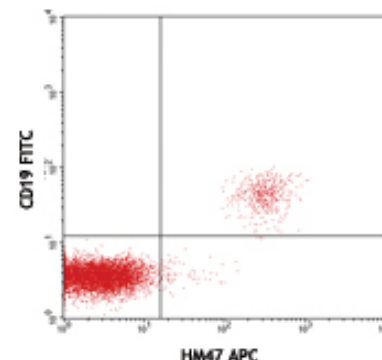
**Workshop Number:** V cB017

**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with 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).

**Storage:** The antibody solution should be stored undiluted at 4°C.



Human peripheral blood lymphocytes surface stained with CD19 (H1B19) FITC and intracellularly stained with HM47 APC

## Applications:

**Applications:** ICFC - Quality tested

**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 µl to 5 µl per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 µl staining volume or per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at [www.biolegend.com/testsize](http://www.biolegend.com/testsize) regarding the test size change.

**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 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. Mason DY, *et al.* 1995 *Blood* 86:1453  
4. Hashimoto M, *et al.* 2002. *J. Pathol.* 197:341

Related Products:	Product	Clone	Application
	Permeabilization Wash Buffer (10X)		ICC, ICFC, IHC
	Cell Staining Buffer		FC, ICC, ICFC
	RBC Lysis Buffer (10X)		FC, ICFC
	APC Mouse IgG1, κ Isotype Ctrl	MOPC-21	FC, ICFC
	Human TruStain FcX™ (Fc Receptor Blocking Solution)		FC, ICC, ICFC



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