

Product Data Sheet

Purified anti-human CD79a (Igα)

Catalog # / Size: 333502 / 100 µg

Clone: HM47

Isotype: Mouse IgG1, κ

Workshop Number: V cB017

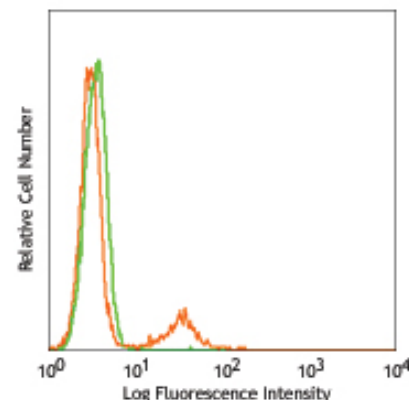
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

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



Human peripheral blood lymphocytes intracellularly stained with purified HM47, followed by FITC anti-mouse IgG

Applications:

Applications: ICFC - *Quality tested*
 WB, IP, IHC - *Reported in the literature*

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 ≤0.125 µg per million cells in 100 µl volume. 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 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. 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
 Purified Mouse IgG1, κ Isotype Ctrl
 Cell Staining Buffer
 RBC Lysis Buffer (10X)
 Permeabilization Wash Buffer (10X)

Clone
 MG1-45

Application

FC, ICC, ICFC, IF, IHC, IP, WB
 FC, ICC, ICFC
 FC, ICFC
 ICC, ICFC, IHC



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