

Monoclonal Antibody to CD79b - FITC

Alternate names:	B-Cell marker, B-cell antigen receptor complex-associated protein beta-chain, B-cell-specific glycoprotein B29, B29, IGB, Immunoglobulin-associated B29 protein
Catalog No.:	AM08164FC-N
Quantity:	100 Tests
Background:	CD79 is a 23/21 disulfide-linked heterodimer composed of an alpha chain (CD79a/mb-1) and a beta chain (CD79b/B29). CD79b is the B cell antigen receptor Ig beta chain (BCR Ig beta), which associates with B cell antigen receptor Ig alpha chain to form a functional heterodimer that interacts with membrane immunoglobulin (mIg). The mIgM component binds antigen and the Ig alpha/Ig beta heterodimer transduces signals. CD79 beta is a B cell specific marker, valuable for the detection of B cells at all maturation stages.
Uniprot ID:	P40259
NCBI:	NP_000617.1
GeneID:	974
Host / Isotype:	Mouse / IgG1
Clone:	CB3-1
Format:	State: Liquid purified Ig fraction. Buffer System: PBS containing 0.09% Sodium Azide as preservative. Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: 10 µL/10e6 cells. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts with the beta chain of CD79. (Ref.1-4) Species: Human. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or in (aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Schlossman, S., L. Bloumsell, W. Gilks, J.M. Harlan, C. Kishimoto, J. Ritz, S. Shaw, R. Silverstein, T. Springer, T.F. Tedder, and R.F. Todd, eds. 1995. Leukocyte Typing V: White Cell Differentiation Antigens, Oxford University Press, Oxford. 2. Kishimoto, T., A.E.G. von der Borne, S.M. Goyert, D.Y. Mason, M. Miyasaka, L. Moretta, K. Okumura, S. Shaw, T.A. Springer, K. Sugamura, and H. Zola, eds. 1998. Leukocyte Typing VI: White Cell Differentiation Antigens, Academic Press, New York. 3. Barclay, A.N., M.H. Brown, S.K.A. Law, A.J. McKnight, M.G. Tomlinson, and P.A. van der

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Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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Merwe, eds. 1997. The Leukocyte Antigens Facts Book, 2nd Edition, CD79 Section, Academic Press, New York, p. 332.

4. Nakamura, T., H. Kubagawa, and M.D. Cooper, 1992. Proc. Natl. Acad. Sci. USA 89:8522.

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