

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.:	AM08072FC-N
Quantity:	0.5 mg
Concentration:	0.5 mg/ml
Background:	Murine CD79 is a 23/21 kDa disulfide-linked heterodimer composed of an alpha chain (CD79a/mb-1) and a beta chain (CD79b/B29) that associates non-covalently with membrane immunoglobulin (Ig) to form the B cell receptor (BCR) complex. Its expression is restricted to B lymphocytes, first appearing on the surface at the pro-B cell stage prior to productive Ig gene rearrangements and remaining through all stages of B-cell differentiation prior to plasma cells. It has been proposed that the CD79 complex on pro-B cell surfaces may function to induce early B-cell differentiation. (Ref.1)
Uniprot ID:	P15530
NCBI:	NP_032365.1
GeneID:	15985
Host / Isotype:	Hamster / IgG
Clone:	HM79-12
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: < / = 1 µg/10e6 cells. (Ref.1,2) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises beta chain of the mouse B-cell receptor (Mr. 23 kDa). Species: Mouse. 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. Koyama, M., K. Ishihara, H. Karasuyama, J.L. Cordell, A. Iwamoto, and T. Nakamura. 1997. Int. Immunol. 9:1767. 2. Southern Biotechnology Associates, Inc. Unpublished observations. 3. Nakamura, T. Personal communication.