

## Monoclonal Antibody to CD79b - PE

<b>Alternate names:</b>	B-Cell marker, B-cell antigen receptor complex-associated protein beta-chain, B-cell-specific glycoprotein B29, B29, IGB, Immunoglobulin-associated B29 protein
<b>Catalog No.:</b>	AM08072RP-N
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.1 mg/ml
<b>Background:</b>	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)
<b>Uniprot ID:</b>	<a href="#">P15530</a>
<b>NCBI:</b>	<a href="#">NP_032365.1</a>
<b>GeneID:</b>	<a href="#">15985</a>
<b>Host / Isotype:</b>	Hamster / IgG
<b>Clone:</b>	HM79-12
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction. <b>Buffer System:</b> PBS containing 0.09% Sodium Azide as preservative and a stabilizing agent. <b>Label:</b> PE – R-Phycoerythrin
<b>Applications:</b>	<b>Flow Cytometry:</b> < / = 0.2 µg/10e6 cells. (Ref.1,2) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognises beta chain of the mouse B-cell receptor (Mr. 23 kDa). <b>Species:</b> Mouse. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	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 Southern Biotechnology Associates, Inc. Unpublished observations.

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3. Nakamura, T. Personal communication.

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