

## Monoclonal Antibody to CD79b - FITC

<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>	SM1873FT
<b>Quantity:</b>	25 µg
<b>Concentration:</b>	0.1 mg/ml
<b>Background:</b>	The CD79b molecule (also known as Ig beta and B29) associates with CD79a to form a heterodimer that is covalently linked to surface immunoglobulin, forming the B-cell receptor (BCR) complex.
<b>Uniprot ID:</b>	<a href="#">P40259</a>
<b>NCBI:</b>	<a href="#">NP_000617.1</a>
<b>GeneID:</b>	<a href="#">974</a>
<b>Host / Isotype:</b>	Rat / IgG1
<b>Clone:</b>	AT107-2
<b>Immunogen:</b>	Peptide corresponding to an intracellular region of Human CD79b. Spleen cells from immunised rat were fused with cells of the mouse NS-1 myeloma cell line.
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction. <b>Purification:</b> Affinity Chromatography on Protein G. <b>Buffer System:</b> PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1
<b>Applications:</b>	<b>Flow Cytometry:</b> Use 10 µl of Neat-1/5 diluted antibody to label 10e6 cells in 100 µl (Membrane permeabilisation is required). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognises an intracellular region of CD79b, a cell surface antigen expressed by B lymphocytes. <b>Species:</b> Human, Dog, Pig, Rat, Mouse. Does not react with Chicken. Other species not tested.
<b>Storage:</b>	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.
<b>General References:</b>	1. Dornan, D. et al. (2009) Therapeutic potential of an anti CD79b antibody-drug conjugate, anti-CD79b-vc-MMAE, for the treatment of nonHodgkin lymphoma. Blood. 114: 2721-9. 2. Vendel, A.C. et al (2009) B and T lymphocyte attenuator regulates B cell receptor

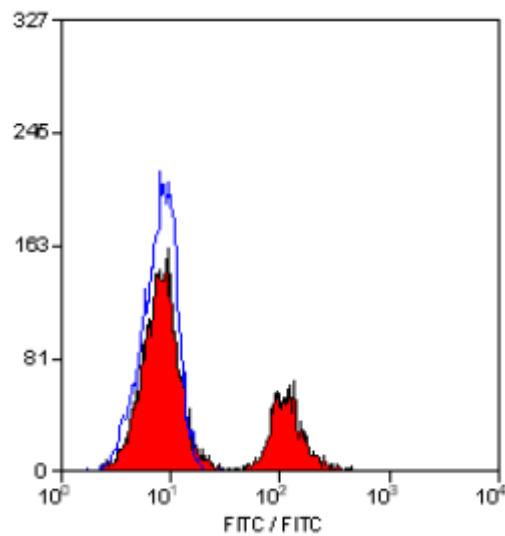
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signaling by targeting Syk and BLNK. J Immunol. 182: 1509-17

Pictures:



**Flow Cytometry:** Staining of Rat peripheral blood lymphocytes with Rat Anti Human CD79b antibody -FITC conjugated (SM1873F) after permeabilisation.

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