

## Datasheet: MCA2208PE

<b>Description:</b>	MOUSE ANTI HUMAN CD79b:RPE
<b>Specificity:</b>	CD79b
<b>Other names:</b>	B29
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AT105-1
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	100 TESTS

### Product Details

#### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human		
<b>Product Form</b>	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized		
<b>Reconstitution</b>	Reconstitute with 1.0 ml distilled water		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	RPE 488nm laser	496	578
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative</b>	0.09% Sodium Azide		
<b>Stabilisers</b>	1%	Bovine Serum Albumin	
	5%	Sucrose	

<b>Immunogen</b>	Peptide corresponding to an extracellular region of CD79 beta
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P40259</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">974</a> CD79B    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	B29, IGB
<b>RRID</b>	AB_324678
<b>Fusion Partners</b>	Spleen cells from immunised mouse were fused with cells of the mouse NS-1 myeloma cell line.
<b>Specificity</b>	<p><b>Mouse anti Human CD79b antibody, clone AT105-1</b> recognizes an extracellular region of human B-cell antigen receptor complex-associated protein beta chain, also known as CD79b, B-cell-specific glycoprotein B29, Ig-beta or, Immunoglobulin-associated B29. CD79b is a cell surface antigen expressed by B lymphocytes and associates with CD79a to form a heterodimer, non-covalently linked to surface immunoglobulin, forming the B-cell receptor (BCR) complex.</p> <p>Mutations in the CD79B gene can lead to presentation of Agammaglobulinemia 6, autosomal recessive (<a href="#">AGM6</a>), a disease demonstrating low or absent circulating B cells with the concomitant absence of antibody production. Patients present with multiple severe infections early in life (<a href="#">Dobbs et al. 2007</a>).</p>
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Cragg, M.S. <i>et al.</i> (2002) The alternative transcript of CD79b is overexpressed in B-CLL and inhibits signaling for apoptosis. <a href="#">Blood. 100 (9): 3068-76.</a></li> <li>2. Zheng, B. <i>et al.</i> (2009) <i>In vivo</i> effects of targeting CD79b with antibodies and antibody-drug conjugates. <a href="#">Mol Cancer Ther. 8 (10): 2937-46.</a></li> </ol>
<b>Storage</b>	<p>Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.</p> <p>DO NOT FREEZE.</p> <p>This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #20487 available at: 20487: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/20487.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/20487.pdf</a>

## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:RPE \(MCA928PE\)](#)

### Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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**Printed on 12 Feb 2021**

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