

Datasheet: MCA2208PE

BATCH NUMBER 151851

Description:	MOUSE ANTI HUMAN CD79b:RPE
Specificity:	CD79b
Other names:	B29
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	AT105-1
Isotype:	IgG1
Quantity:	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.

	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.

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

5% Sucrose

Immunogen	Peptide corresponding to an extracellular region of CD79 beta
External Database Links	UniProt: P40259 Related reagents Entrez Gene: 974 CD79B Related reagents
Synonyms	B29, IGB
RRID	AB_324678
Fusion Partners	Spleen cells from immunised mouse were fused with cells of the mouse NS-1 myeloma cell line.
Specificity	<p>Mouse anti Human CD79b antibody, clone AT105-1 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 (AGM6), 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 (Dobbs et al. 2007).</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	<ol style="list-style-type: none">1. Cragg, M.S. <i>et al.</i> (2002) The alternative transcript of CD79b is overexpressed in B-CLL and inhibits signaling for apoptosis. Blood. 100 (9): 3068-76.2. Zheng, B. <i>et al.</i> (2009) <i>In vivo</i> effects of targeting CD79b with antibodies and antibody-drug conjugates. Mol Cancer Ther. 8 (10): 2937-46.
Storage	<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>
Guarantee	12 months from date of despatch
Health And Safety	Material Safety Datasheet documentation #20487 available at:

Information <https://www.bio-rad-antibodies.com/SDS/MCA2208PE>
20487

Regulatory For research purposes only

Related Products

Recommended Negative Controls

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

Recommended Useful Reagents

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

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

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
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Printed on 18 Jan 2024