

Datasheet: MCA2208PE

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		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide		
Stabilisers	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
Fusion Partners	Spleen cells from immunised mouse were fused with cells of the mouse NS-1 myeloma cell line.
Specificity	Mouse anti Human CD79b antibody, clone AT105-1 recognizes an extracellular region of human CD79b, a cell surface antigen expressed by B lymphocytes. The CD79b molecule (also known as Ig beta and B29) associates with CD79a to form a heterodimer that is non-covalently linked to surface immunoglobulin, forming the B-cell receptor (BCR) complex.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	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	Prior to reconstitution store at +4°C. Following reconstitution store at +4°C. DO NOT FREEZE. 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.
Shelf Life	12 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation #10075 available at: 10075: https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

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

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)[HUMAN SEROBLOCK \(BUF070B\)](#)**North & South** Tel: +1 800 265 7376**America** Fax: +1 919 878 3751Email: antibody_sales_us@bio-rad.com**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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