

Datasheet: MCA2208

BATCH NUMBER 161126

Description:	MOUSE ANTI HUMAN CD79b
Specificity:	CD79b
Other names:	B29
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AT105-1
Isotype:	IgG1
Quantity:	0.2 mg

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	▪			1/50 - 1/100
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting	▪			

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 - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	TRIS buffered saline
Preservative Stabilisers	0.09% Sodium Azide

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Peptide corresponding to an extracellular region of CD79 beta
External Database Links	<p>UniProt: P40259 Related reagents</p> <p>Entrez Gene: 974 CD79B Related reagents</p>
Synonyms	B29, IGB
RRID	AB_324061
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>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10057 available at: https://www.bio-rad-antibodies.com/SDS/MCA2208

Regulatory

For research purposes only

Related Products**Recommended Secondary Antibodies**

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP

Recommended Negative Controls[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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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

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