

# Datasheet: MCA2208T

**BATCH NUMBER 161125**

<b>Description:</b>	MOUSE ANTI HUMAN CD79b
<b>Specificity:</b>	CD79b
<b>Other names:</b>	B29
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AT105-1
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	25 µg

## 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	▪			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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
<b>Buffer Solution</b>	TRIS buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<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_1102338
<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>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>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10057 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2208T">https://www.bio-rad-antibodies.com/SDS/MCA2208T</a>

**Regulatory**

For research purposes only

**Related Products****Recommended Secondary Antibodies**

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

**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](https://bio-rad-antibodies.com/datasheets)

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