

# Datasheet: MCA1821GA

**BATCH NUMBER 156965**

<b>Description:</b>	HAMSTER ANTI MOUSE CD79b
<b>Specificity:</b>	CD79b
<b>Other names:</b>	B29
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	HM79-11
<b>Isotype:</b>	IgG
<b>Quantity:</b>	0.1 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			1/50 - 1/200
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/postive controls.

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

Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1 mg/ml
Immunogen	CD79 alpha/CD79 beta heterodimer purified from WEHI-231 B cells.
External Database Links	<p><b>UniProt:</b>  <a href="#">P15530</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">15985</a>   Cd79b   <a href="#">Related reagents</a></p>
Synonyms	Igb
RRID	AB_324664
Fusion Partners	Lymph node cells from immunised Armenian hamsters were fused with cells of the mouse X63-Ag8.653 myeloma cell line.
Specificity	<p><b>Hamster anti Mouse CD79b antibody, clone HM79-11</b> recognizes murine CD79 beta, expressed by B cells as part of the B cell receptor complex (immunoglobulin and the CD79 alpha/beta heterodimer).</p> <p>Murine CD79 beta is expressed at the cell surface of pro-B cells prior to surface immunoglobulin, and is expressed throughout B cell differentiation.</p> <p>CD79 beta is a B cell specific marker, valuable for the detection of B cells at all maturation stages.</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells or 100ul whole blood
References	<ol style="list-style-type: none"> <li>1. Koyama, M. <i>et al.</i> (1997) CD79 alpha/CD79 beta heterodimers are expressed on pro-B cell surfaces without associated mu heavy chain. <a href="#">Int Immunol. 9 (11): 1767-72.</a></li> <li>2. Luger, D. <i>et al.</i> (2013) Expression of the B-cell receptor component CD79a on immature myeloid cells contributes to their tumor promoting effects. <a href="#">PLoS One. 8 (10): e76115.</a></li> <li>3. Jelínek, F. <i>et al.</i> (2005) Characteristics of two mouse bcr-abl-transformed cell lines. II. Pathological lesions induced in mice. <a href="#">Folia Biol (Praha). 51 (4): 93-102.</a></li> <li>4. Ankeny, D.P. <i>et al.</i> (2006) Spinal cord injury triggers systemic autoimmunity: evidence for chronic B lymphocyte activation and lupus-like autoantibody synthesis. <a href="#">J Neurochem. 99 (4): 1073-87.</a></li> <li>5. Lacoste-collin, L. <i>et al.</i> (2007) Effect of continuous irradiation with a very low dose of gamma rays on life span and the immune system in SJL mice prone to B-cell lymphoma. <a href="#">Radiat Res. 168 (6): 725-32.</a></li> </ol>
Storage	Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1821GA10040">https://www.bio-rad-antibodies.com/SDS/MCA1821GA10040</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Hamster IgG (STAR104...) [DyLight®550](#), [DyLight®650](#), [DyLight®800](#),  
[FITC](#)

Goat Anti Hamster IgG (STAR79...) [Biotin](#), [FITC](#), [HRP](#)

### Recommended Negative Controls

[HAMSTER \(ARMENIAN\) IgG NEGATIVE CONTROL \(MCA2356\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
----------------------------------	---	------------------	---	---------------	---

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)  
'M365755:200529'

Printed on 18 Jan 2024