Datasheet: MCA1821GA

<table>
<thead>
<tr>
<th>Description:</th>
<th>HAMSTER ANTI MOUSE CD79b</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity:</td>
<td>CD79b</td>
</tr>
<tr>
<td>Other names:</td>
<td>B29</td>
</tr>
<tr>
<td>Format:</td>
<td>Purified</td>
</tr>
<tr>
<td>Product Type:</td>
<td>Monoclonal Antibody</td>
</tr>
<tr>
<td>Clone:</td>
<td>HM79-11</td>
</tr>
<tr>
<td>Isotype:</td>
<td>IgG</td>
</tr>
<tr>
<td>Quantity:</td>
<td>0.1 mg</td>
</tr>
</tbody>
</table>

**Product Details**

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.

<table>
<thead>
<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td></td>
<td></td>
<td></td>
<td>1/50 - 1/200</td>
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<tr>
<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Immunoprecipitation</td>
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<td>Western Blotting</td>
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</tbody>
</table>

Where this product 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 product for use in their own system using appropriate negative/positive controls.

**Target Species**

Mouse

**Product Form**

Purified IgG - liquid

**Preparation**

Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.09% sodium azide (NaN₃)
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:
- UniProt: P15530
- Entrez Gene: 15985

Synonyms: Igb

RRID: AB_324664

Fusion Partners: Lymph node cells from immunized Armenian hamsters were fused with cells of the mouse X63-Ag8.653 myeloma cell line.

Specificity:
- **Hamster anti Mouse CD79b antibody, clone HM79-11** recognizes murine CD79 beta, expressed by B cells as part of the B cell receptor complex (immunoglobulin and the CD79 alpha/beta heterodimer).

   Murine CD79 beta is expressed at the cell surface of pro-B cells prior to surface immunoglobulin, and is expressed throughout B cell differentiation.

   CD79 beta is a B cell specific marker, valuable for the detection of B cells at all maturation stages.

Flow Cytometry: Use 10μl of the suggested working dilution to label $10^6$ cells or 100μl whole blood

References:

Storage: 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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

### Guarantee

12 months from date of despatch

### Health And Safety Information

Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA1821GA

10040

### Regulatory

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)

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M411663.221104'

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