### Description
HAMSTER ANTI MOUSE CD79b: Alexa Fluor® 488

### Specificity
CD79b

### Other names
B29

### Format
ALEXA FLUOR® 488

### Product Type
Monoclonal Antibody

### Clone
HM79-11

### Isotype
IgG

### Quantity
25 TESTS/0.25ml

### 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).

<table>
<thead>
<tr>
<th>Application</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>
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<td>Neat - 1/10</td>
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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
Mouse

### Product Form
Purified IgG conjugated to Alexa Fluor® 488 - liquid

### Max Ex/Em
<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alexa Fluor®488</td>
<td>495</td>
<td>519</td>
</tr>
</tbody>
</table>

### 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
- 1% Bovine Serum Albumin

### Approx. Protein Concentrations
IgG concentration 0.05 mg/ml

### Immunogen
CD79 alpha/CD79 beta heterodimer purified from WEHI-231 B cells.

### External Database Links
UniProt:
Lymph node cells from immunised Armenian hamsters were fused with cells of the mouse X63-Ag8.653 myeloma cell line.

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.

Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.

The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity fc receptors. This may be reduced by using SeroBlock FcR (BUF041A/B).


Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

18 months from date of despatch.

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**Health And Safety Information**

Material Safety Datasheet documentation #10041 available at:


**Regulatory**

For research purposes only

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**Related Products**

**Recommended Negative Controls**

**HAMSTER (ARMENIAN) IgG NEGATIVE CONTROL:Alexa Fluor® 488 (MCA2356A488)**

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