Datasheet: MCA1821A647T

**Description:**
HAMSTER ANTI MOUSE CD79b:Alexa Fluor® 647

**Specificity:**
CD79b

**Other names:**
B29

**Format:**
ALEXA FLUOR® 647

**Product Type:**
Monoclonal Antibody

**Clone:**
HM79-11

**Isotype:**
IgG

**Quantity:**
25 TESTS/0.25ml

### Product Details

**RRID**
AB_1102335

**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).

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<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tr>
<td>Flow Cytometry</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® 647 - liquid

**Max Ex/Em**

<table>
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<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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<tr>
<td>Alexa Fluor®647</td>
<td>650</td>
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**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.

**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 10⁶ cells in 100μl.

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).

**References**


**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. 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.

**Guarantee**

18 months from date of despatch.

**Acknowledgements**

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### Related Products

**Recommended Negative Controls**

HAMSTER (ARMENIAN) IgG NEGATIVE CONTROL: Alexa Fluor® 647 (MCA2356A647)

**Recommended Useful Reagents**

MOUSE SEROBLOCK FcR (BUF041A)
MOUSE SEROBLOCK FcR (BUF041B)

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<th>Europe</th>
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