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

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### 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).

<table>
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<tr>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<td>Flow Cytometry</td>
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<td>Neat - 1/5</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

**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:**

P15530 [Related reagents](#)

**Entrez Gene:**

15985 Cd79b [Related reagents](#)
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 10µl of the suggested working dilution to label 10^6 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).

Recommended Negative Controls

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

Recommended Useful Reagents

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