

## Datasheet: MCA579

<b>Description:</b>	RAT ANTI HUMAN CD77
<b>Specificity:</b>	CD77
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	38-13
<b>Isotype:</b>	IgM
<b>Quantity:</b>	100 TESTS

## 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	▪			Neat

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

Human

### Species Cross Reactivity

Reacts with: Bovine  
**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Purified IgM - liquid

### Preparation

Purified IgM prepared by gel filtration from ascites

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.1% Sodium Azide  
 0.2% Bovine Serum Albumin

### Immunogen

Daudi cell line.

<b>RRID</b>	AB_321765
<b>Fusion Partners</b>	Spleen cells from immunised Lewis rats were fused with cells of the SP2/0-Ag14 myeloma cell line.
<b>Specificity</b>	<p><b>Rat anti Human CD77 antibody, clone 38-13</b> recognizes the Gb3 - specific sugar sequence Gal alpha 1-4 Gal beta- 4G1c, also known as the blood group substance pk (CD77).</p> <p>CD77 expression amongst leucocytes is restricted to the B cell lineage, and only cells at a certain maturation stage express the antigen.</p>
<b>Flow Cytometry</b>	Use 20ul of the suggested working dilution to label 5 x 10 <sup>5</sup> cells in 100ul
<b>References</b>	<ol style="list-style-type: none"> <li>1. Wiels, J. <i>et al.</i> (1981) Monoclonal antibody against a Burkitt lymphoma-associated antigen. <a href="#">Proc Natl Acad Sci U S A. 78 (10): 6485-8.</a></li> <li>2. Wiels, J. <i>et al.</i> (1984) Properties of immunotoxins against a glycolipid antigen associated with Burkitt's lymphoma. <a href="#">Cancer Res. 44: 129-133.</a></li> <li>3. Nudelman, E. <i>et al.</i> (1983) A glycolipid antigen associated with Burkitt lymphoma defined by a monoclonal antibody. <a href="#">Science 220: 509-511.</a></li> <li>4. Fellous, M. <i>et al.</i> (1985) A monoclonal antibody against a Burkitt lymphoma associated antigen has an anti-Pk red blood cell specificity. <a href="#">Brit. J. Haematol. 60: 559-565.</a></li> <li>5. Wiels, J. and Tursz, T. (1989) BLA a glycolipid marker of Burkitt's lymphoma and a subset of germinal-centre B-cells. In Leucocyte Typing IV. Knapp, W. Ed. Oxford University Press.</li> <li>6. Yu, D. <i>et al.</i> (2007) Axon growth and guidance genes identify T-dependent germinal centre B cells. <a href="#">Immunol Cell Biol. 86: 3-14.</a></li> <li>7. Stamm, I. <i>et al.</i> (2008) Epithelial and mesenchymal cells in the bovine colonic mucosa differ in their responsiveness to Escherichia coli Shiga toxin 1. <a href="#">Infect Immun. 76: 5381-91.</a></li> <li>8. Shaknovich, R. <i>et al.</i> (2011) DNA methyltransferase 1 and DNA methylation patterning contribute to germinal center B-cell differentiation. <a href="#">Blood. 118: 3559-69.</a></li> <li>9. Girard, M.C. <i>et al.</i> (2015) Prevention of renal damage caused by Shiga toxin type 2: Action of Miglustat on human endothelial and epithelial cells. <a href="#">Toxicon. 105: 27-33.</a></li> <li>10. Bangari, D.S. <i>et al.</i> (2015) <math>\alpha</math>-Galactosidase A knockout mice: progressive organ pathology resembles the type 2 later-onset phenotype of Fabry disease. <a href="#">Am J Pathol. 185 (3): 651-65.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C.</p> <p>DO NOT FREEZE.</p> <p>This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	Please see label for expiry date.
<b>Health And Safety</b>	Material Safety Datasheet documentation #10304 available at:

**Information** 10304: <https://www.bio-rad-antibodies.com/uploads/MSDS/10304.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Rat IgM (302001...) [Biotin](#), [RPE](#)

Goat Anti Rat IgM (STAR116...) [HRP](#)

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