

## Datasheet: MCA1235C

<b>Description:</b>	MOUSE ANTI HUMAN CD19:RPE-Cy5
<b>Specificity:</b>	CD19
<b>Format:</b>	RPE-CY5
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	SJ25-C1
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	100 TESTS/1ml

## 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 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.

<b>Target Species</b>	Human		
<b>Product Form</b>	Purified IgG conjugated to RPE-Cy5 - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	RPE-Cy5 488nm laser	496	667
<b>Preparation</b>	Antibody purified from ascites		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative Stabilisers</b>	<0.1% Sodium Azide (NaN <sub>3</sub> ) Stabilizing agent (sucrose)		
<b>Immunogen</b>	NALM-1 and NALM-16 cells.		
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P15391</a> <a href="#">Related reagents</a>		

**Entrez Gene:**

[930](#) CD19 [Related reagents](#)

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<b>RRID</b>	AB_321341
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<b>Fusion Partners</b>	Spleen cells from immunized mice were fused with cells of the mouse SP2/0 myeloma cell line.
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<b>Specificity</b>	<b>Mouse anti Human CD19 antibody, clone SJ25-C1</b> recognizes the human CD19 cell surface antigen, a 90 kDa glycoprotein present on B lymphocytes.
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<b>Flow Cytometry</b>	Use 10µl of the suggested working dilution to label 10 <sup>6</sup> cells or 100µl whole blood
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<b>References</b>	<ol style="list-style-type: none"><li>1. Macallan, D.C. <i>et al.</i> (2005) B-cell kinetics in humans: rapid turnover of peripheral blood memory cells. <a href="#">Blood. 105: 3633-40</a></li><li>2. Alberti, S. <i>et al.</i> (2006) Age-dependent modifications of Type 1 and Type 2 cytokines within virgin and memory CD4+ T cells in humans. <a href="#">Mech Ageing Dev. 127: 560-6.</a></li><li>3. Cox, K. <i>et al.</i> (2005) Plasmacytoid dendritic cells (PDC) are the major DC subset innately producing cytokines in human lymph nodes. <a href="#">J Leukoc Biol. 78: 1142-52.</a></li><li>4. Patten, P.E. <i>et al.</i> (2008) CD38 expression in chronic lymphocytic leukemia is regulated by the tumor microenvironment. <a href="#">Blood. 111: 5173-81.</a></li></ol>
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<b>Storage</b>	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.
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<b>Guarantee</b>	Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.
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<b>Acknowledgements</b>	Cy and CyDye are registered trademarks of GE Healthcare
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10045 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1235C">https://www.bio-rad-antibodies.com/SDS/MCA1235C</a> 10045
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

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Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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

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