

# Datasheet: MCA1235C

**BATCH NUMBER 169923**

|                      |                               |
|----------------------|-------------------------------|
| <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> )<br>Stabilizing agent (sucrose) |                            |                          |
| <b>Immunogen</b>                | NALM-1 and NALM-16 cells.                                             |                            |                          |
| <b>External Database Links</b>  | <b>UniProt:</b>                                                       |                            |                          |

**Entrez Gene:**

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

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>RRID</b>                          | AB_321341                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Fusion Partners</b>               | Spleen cells from immunized mice were fused with cells of the mouse SP2/0 myeloma cell line.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Flow Cytometry</b>                | Use 10µl of the suggested working dilution to label 10 <sup>6</sup> cells or 100µl whole blood                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <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> |
| <b>Storage</b>                       | Store at +4°C.<br>DO NOT FREEZE.<br>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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Acknowledgements</b>              | Cy and CyDye are registered trademarks of GE Healthcare                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10045 available at:<br><a href="https://www.bio-rad-antibodies.com/SDS/MCA1235C">https://www.bio-rad-antibodies.com/SDS/MCA1235C</a><br>10045                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Regulatory</b>                    | For research purposes only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Related Products

### Recommended Useful Reagents

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

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

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

|                                  |                                                                                                                                         |                  |                                                                                                                                                                     |               |                                                                                                                                                     |
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