

Datasheet: MCA1235C

BATCH NUMBER 173406

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| Description: | MOUSE ANTI HUMAN CD19:RPE-Cy5 |
| Specificity: | CD19 |
| Format: | RPE-CY5 |
| Product Type: | Monoclonal Antibody |
| Clone: | SJ25-C1 |
| Isotype: | IgG1 |
| Quantity: | 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.

| | 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.

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

[P15391](#) [Related reagents](#)

Entrez Gene:

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

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| RRID | AB_321341 |
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| Fusion Partners | Spleen cells from immunized mice were fused with cells of the mouse SP2/0 myeloma cell line. |
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| Specificity | Mouse anti Human CD19 antibody, clone SJ25-C1 recognizes the human CD19 cell surface antigen, a 90 kDa glycoprotein present on B lymphocytes. |
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| Flow Cytometry | Use 10µl of the suggested working dilution to label 10 ⁶ cells or 100µl whole blood |
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| References | <ol style="list-style-type: none">1. Macallan, D.C. <i>et al.</i> (2005) B-cell kinetics in humans: rapid turnover of peripheral blood memory cells. Blood. 105: 3633-402. 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. Mech Ageing Dev. 127: 560-6.3. Cox, K. <i>et al.</i> (2005) Plasmacytoid dendritic cells (PDC) are the major DC subset innately producing cytokines in human lymph nodes. J Leukoc Biol. 78: 1142-52.4. Patten, P.E. <i>et al.</i> (2008) CD38 expression in chronic lymphocytic leukemia is regulated by the tumor microenvironment. Blood. 111: 5173-81. |
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| Storage | This product is shipped at ambient temperature. 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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| Guarantee | 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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| Acknowledgements | Cy and CyDye are registered trademarks of GE Healthcare |
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| Health And Safety Information | Material Safety Datasheet documentation #10045 available at: https://www.bio-rad-antibodies.com/SDS/MCA1235C |
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|-------------------|----------------------------|
| Regulatory | For research purposes only |
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Related Products

Recommended Useful Reagents

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

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

Product inquiries: www.bio-rad-antibodies.com/technical-support

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

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