

Datasheet: MCA1235C

BATCH NUMBER 172790

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.

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](#)

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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