

Datasheet: MCA1235C

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 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		
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
Buffer Solution	Phosphate buffered saline		
Preservative	0.1% Sodium Azide (NaN ₃)		
Stabilisers	Sucrose		
Immunogen	NALM-1 and NALM-16 cells.		
External Database Links	UniProt: P15391 Related reagents Entrez Gene: 930 CD19 Related reagents		
Fusion Partners	Spleen cells from immunised mice were fused with cells of the mouse SP2/0 myeloma cell line.		
Specificity	Mouse anti Human CD19 antibody, clone SJ25-C1 recognizes the human CD19 cell surface		

antigen, a 90 kDa glycoprotein present on B lymphocytes.

Flow Cytometry Use 10ul of the suggested working dilution to label 10⁶ cells or 100ul whole blood.

References

1. Macallan, D.C. *et al.* (2005) B-cell kinetics in humans: rapid turnover of peripheral blood memory cells. [Blood. 105: 3633-40](#)
2. Alberti, S. *et al.* (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. *et al.* (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. *et al.* (2008) CD38 expression in chronic lymphocytic leukemia is regulated by the tumor microenvironment. [Blood. 111: 5173-81.](#)

Storage 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.

Shelf Life Please see label for expiry date.

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Health And Safety Information Material Safety Datasheet documentation available at:
Material Safety Datasheet Documentation #10331 available at:
<https://www.bio-rad-antibodies.com/uploads/MSDS/10331.pdf>

Regulatory For research purposes only

Related Products

Recommended Useful Reagents

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

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

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'M311660:171213'

Printed on 14 Dec 2017

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