Datasheet: MCA1235C

BATCH NUMBER 160147

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 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
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 10^6 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.
Guarantee	Guaranteed until date of expiry. Please see product label.
Acknowledgements	Cy® and CyDye® are registered trademarks of GE Healthcare
Health And Safety Information	Material Safety Datasheet documentation #10045 available at: https://www.bio-rad-antibodies.com/SDS/MCA1235C 10045
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751	**Worldwide**	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739	**Europe**	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50

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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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