Datasheet: MCA1235C

BATCH NUMBER 165920

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
Fusion Partners	Spleen cells from immunized 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 10µl of the suggested working dilution to label 10^6 cells or 100µl 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 for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.
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)

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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