

Datasheet: MCA1379PE

Description:	MOUSE ANTI HUMAN CD24:RPE
Specificity:	CD24
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	SN3
Isotype:	IgG1
Quantity:	100 TESTS

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		
Species Cross Reactivity	Reacts with: Chimpanzee N.B. Antibody reactivity and working conditions may vary between species.		
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized		
Reconstitution	Reconstitute with 1 ml distilled water		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide		
Stabilisers	1%	Bovine Serum Albumin	
	5%	Sucrose	
Immunogen	Glycoproteins purified from human NALM-1 cell line.		
External Database Links	UniProt:		

[P25063](#) [Related reagents](#)

Entrez Gene:

[100133941](#) CD24 [Related reagents](#)

Synonyms	CD24A
Fusion Partners	Spleen cells from immunized BALB/c mice were fused with cells of a mouse myeloma cell line.
Specificity	Mouse anti Human CD24 antibody, clone SN3 recognizes the human CD24 cell surface antigen, a heavily glycosylated molecule of ~35-45 kDa. CD24 is expressed by granulocytes and B lymphocytes, and by some activated T cells and T cell malignancies.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells or 100ul whole blood
References	1. Barcos, M. <i>et al.</i> (1986) Follicular mantle zone cell subpopulations detected by monoclonal antibody SN3. Hematol Oncol. 4 (4): 251-9. 2. Fukukawa, T. <i>et al.</i> (1986) New monoclonal antibodies SN3, SN3a, and SN3b directed to sialic acid of glycoprotein on human non-T leukemia cells. Exp Hematol. 14 (9): 850-5. 3. Sallustio, F. <i>et al.</i> (2010) TLR2 plays a role in the activation of human resident renal stem/progenitor cells. FASEB J. 24 (2): 514-25. 4. Ohyama, M. <i>et al.</i> (2006) Characterization and isolation of stem cell-enriched human hair follicle bulge cells. J Clin Invest. 116:249-60. 5. Kanderová, V. <i>et al.</i> (2010) Aberrantly expressed CEACAM6 is involved in the signaling leading to apoptosis of acute lymphoblastic leukemia cells. Exp Hematol. 38: 653-660.e1. 6. Kap, Y.S. <i>et al.</i> (2009) A monoclonal antibody selection for immunohistochemical examination of lymphoid tissues from non-human primates. J Histochem Cytochem. 57 (12): 1159-67. 7. Franz, C. <i>et al.</i> (2016) Extracellular vesicles in human follicular fluid do not promote coagulation. Reprod Biomed Online. Aug 22. pii: S1472-6483(16)30453-9. [Epub ahead of print]
Storage	Prior to reconstitution store at +4°C. Following reconstitution 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	12 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation #10075 available at: 10075: https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:RPE \(MCA928PE\)](#)

Recommended Useful Reagents

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

HUMAN SEROBLOCK (BUF070B)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

'M300758:170106'

Printed on 14 May 2018

© 2018 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)