

Datasheet: MCA1379EL

BATCH NUMBER 164873

Description:	MOUSE ANTI HUMAN CD24:Low Endotoxin
Specificity:	CD24
Format:	Low Endotoxin
Product Type:	Monoclonal Antibody
Clone:	SN3
Isotype:	IgG1
Quantity:	0.5 mg

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	▪			
Immunohistology - Frozen (1)	▪			
Immunohistology - Paraffin		▪		
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	

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.

(1)The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Bio-Rad recommends the use of acetone fixation for frozen sections.

Target Species	Human
Species Cross Reactivity	<p>Reacts with: Chimpanzee</p> <p>N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>

Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Carrier Free	Yes
Endotoxin Level	<0.01EU/μg
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Glycoproteins purified from human NALM-1 cell line
External Database Links	<p>UniProt: P25063 Related reagents</p> <p>Entrez Gene: 100133941 CD24 Related reagents</p>
Synonyms	CD24A
RRID	AB_2275511
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 10μl of the suggested working dilution to label 10 ⁶ cells or cells or 100μl whole blood
Histology Positive Control Tissue	Tonsil
References	<ol style="list-style-type: none"> 1. 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. 2. 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. 3. 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.

4. Sallustio, F. *et al.* (2010) TLR2 plays a role in the activation of human resident renal stem/progenitor cells. [FASEB J. 24 \(2\): 514-25.](#)
5. Kanderová, V. *et al.* (2010) Aberrantly expressed CEACAM6 is involved in the signaling leading to apoptosis of acute lymphoblastic leukemia cells. [Exp Hematol. 38: 653-660.e1.](#)
6. Franz, C. *et al.* (2016) Extracellular vesicles in human follicular fluid do not promote coagulation. [Reprod Biomed Online. 33 \(5\): 652-5.](#)

Storage	Store at -20°C only. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10162 available at: https://www.bio-rad-antibodies.com/SDS/MCA1379EL 10162
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@550 , DyLight@650 , DyLight@680 , DyLight@800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Low Endotoxin \(MCA928EL\)](#)

North & South America	Tel: +1 800 265 7376 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
----------------------------------	---	------------------	---	---------------	---

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
'M409438:221019'

Printed on 09 Feb 2024