

Datasheet: MCA1379EL

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 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.

(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	Reacts with: Chimpanzee N.B. Antibody reactivity and working conditions may vary between species.
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/ug
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
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 cells or 100ul whole blood.
Histology Positive Control Tissue	Tonsil
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	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.
Shelf Life	18 months from date of despatch.
Health And Safety	Material Safety Datasheet documentation #10162 available at:

Information10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>**Regulatory**

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Human Anti Mouse IgG1 (HCA036...)	HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Low Endotoxin \(MCA928EL\)](#)**North & South
America**

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