

Datasheet: MCA1738B BATCH NUMBER 160918

Description:	MOUSE ANTI HUMAN CD31:Biotin
Specificity:	CD31
Other names:	PECAM-1
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	WM59
Isotype:	lgG1

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 <u>www.bio-rad-antibodies.com/protocols</u> .				
		Yes	No	Not Determined	Suggested Dilution
	Flow Cytometry				Neat - 1/10
	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: Cynomolgus N.B. Antibody reactivity a reactivity is derived from personal communication further information.	and working testing wit	g conditic hin our la	ons may vary betwe boratories, peer-re	viewed publications or
Product Form	Purified IgG conjugated	to Biotin - li	iquid		
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant				
Buffer Solution	Phosphate buffered salir	ie			
Preservative	0.09% Sodium Azide				

Stabilisers	1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.1mg/ml
External Database Links	UniProt: P16284 Related reagents Entrez Gene: 5175 PECAM1 Related reagents
RRID	AB_322533
Specificity	Mouse anti Human CD31 monoclonal antibody, clone WM59 recognizes the human CD31 antigen, a ~130 kDa single pass type I transmembrane glycoprotein bearing six <u>C2</u> <u>immunoglobulin domains</u> . CD31 is expressed by all continuous endothelia including arteries, veins and non-sinusoidal capillaries, platelets,granulocytes and some lymphocytes. CD31 is not expressed by discontinuous endothelia such as hepatic sinusoids and splenic red pulp (<u>Muller <i>et al.</i> 1989</u>).CD31 is also known as PECAM-1.
	The binding epitope for mouse anti human CD31, clone WM59 has been mapped to the Ig-like domain 2 (<u>Fawcett <i>et al.</i> 1995</u>).
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells or 100ul whole blood
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Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at

	-20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.		
	antibody. Storage in		
Guarantee	12 months from date of despatch		
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA1738B 10041		
Regulatory	For research purposes only		
Related Produce Recommended Use			
HUMAN SEROBLOCK HUMAN SEROBLOCK			

North & South	Tel: +1 800 265 7376	Worldwide	Tel: +44 (0)1865 852 700	Europe	Tel: +49 (0) 89 8090 95 21
America	Fax: +1 919 878 3751		Fax: +44 (0)1865 852 739		Fax: +49 (0) 89 8090 95 50
	Email: antibody_sales_us@bio-ra	d.com	Email: antibody_sales_uk@bio-ra	d.com	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 'M383149:210513'

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