

Datasheet: MCA1738SBUV510 BATCH NUMBER 100006345

Description:	MOUSE ANTI HUMAN CD31:StarBright UltraViolet 510		
Specificity:	CD31		
Other names:	PECAM-1		
Format:	StarBright UltraViolet 510		
Product Type:	Monoclonal Antibody		
Clone:	WM59		
Isotype:	lgG1		
Quantity:	100 TESTS/0.5ml		

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		
	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					
Species Cross Reactivity	Reacts with: Cynomolgus monkey, Rhesus Monkey 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.					
Product Form	Purified IgG conjugated to StarBright UltraViolet 510 - liquid					
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)			
	StarBright UltraViolet 510	340	513			
Preparation	Purified IgG prepared supernatant	by affinity chromatog	raphy on Protein A fror	n tissue culture		

Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide (NaN ₃)
Stabilisers	1% Bovine Serum Albumin
	0.1% Pluronic F68
	0.1% PEG 3350
	0.05% Tween 20
External Database	UniProt:
Links	
	P16284 Related reagents
	Entrez Gene:
	5175 PECAM1 Related reagents
0	
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>
	immunoglobulin domains. 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 5ul of the suggested working dilution to label 10 ⁶ cells in 100ul. Best practices
	suggest a 5 minutes centrifugation at 6,000g prior to sample application.
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Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted.
Guarantee	12 months from date of despatch
Acknowledgements	This product is covered by U.S. Patent No. 10,150,841 and related U.S. and foreign counterparts
Health And Safety Information	Material Safety Datasheet documentation #20471 available at: https://www.bio-rad-antibodies.com/SDS/MCA1738SBUV510 20471
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A) HUMAN SEROBLOCK (BUF070B)

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	ad.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 'M394759:220217'

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