

Datasheet: MCA1738SBV710

BATCH NUMBER 100005404

Description:	n: MOUSE ANTI HUMAN CD31:StarBright Violet 710		
Specificity:	CD31		
Other names:	PECAM-1		
Format:	StarBright Violet 710		
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 www.bio-rad-antibodies.com/protocols.

	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	Reacts with: Cynomolgus monkey, Rhesus Monkey
Reactivity	N.B. Antibody reactivity and working conditions may

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.

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Product Form	Purified IgG conjuga	Purified IgG conjugated to StarBright Violet 710 - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)	
	StarBright Violet 710	401	713	
Preparation	Purified IgG prepared supernatant	d by affinity chromatog	raphy on Protein A fi	

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN₃) 1% Bovine Serum Albumin

0.1% Pluronic F680.1% PEG 33500.05% Tween 20

External Database Links

UniProt:

P16284 Related reagents

Entrez Gene:

5175 PECAM1 Related reagents

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 C2 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 (Muller et al. 1989).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 et al. 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	Material Safety Datasheet documentation #20471 available at:
Information	https://www.bio-rad-antibodies.com/SDS/MCA1738SBV710
	20471
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A) HUMAN SEROBLOCK (BUF070B)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Worldwide

Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M380255:210507'

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