

Datasheet: MCA1738SBR670

Description:	MOUSE ANTI HUMAN CD31:StarBright Red 670
Specificity:	CD31
Other names:	PECAM-1
Format:	StarBright Red 670
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 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 Red 670 - liquid			
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nr	m)
	StarBright Red 670	653	666	
Preparation	Purified IgG prepare supernatant	d by affinity chromatog	raphy on Protein A	from tissue culture
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

Approx. Protein Concentrations

For information on the concentration of our StarBright Dye conjugated reagents please visit our <u>FAQ</u> page.

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 5μl of the suggested working dilution to label 10⁶ cells in 100μl. Best practices suggest a 5 minutes centrifugation at 6,000g prior to sample application.

References

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Further Reading	1. DeLisser, H.M. <i>et al.</i> (1994) Molecular and functional aspects of PECAM-1/CD31. Immunol Today. 15 (10): 490-5.
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/MCA1738SBR670 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 Europe

Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50

Fax: +1 919 878 3751
Email: antibody_sales_us@bio-rad.com

Email: antibody_sales_uk@bio-rad.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 'M437159:250310'

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