

Datasheet: MCA1738SBV570

## **BATCH NUMBER 100005103**

Description:	MOUSE ANTI HUMAN CD31:StarBright Violet 570
Specificity:	CD31
Other names:	PECAM-1
Format:	StarBright Violet 570
Product Type:	Monoclonal Antibody
Clone:	WM59
Isotype:	IgG1
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 <a href="www.bio-rad-antibodies.com/protocols">www.bio-rad-antibodies.com/protocols</a>.

	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.

<b>Species Cross</b>
Reactivity

**Target Species** 

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.

turtner information

Human

Product Form	Purified IgG conjugated to	StarBright Violet 570 - liquid
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Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	StarBright Violet 570	402	570

## Preparation

Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

**Buffer Solution** 

Phosphate buffered saline

# Preservative Stabilisers

0.09% Sodium Azide (NaN<sub>3</sub>) 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.

#### References

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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 recounterparts	lated U.S. and foreign
Health And Safety	Material Safety Datasheet documentation #20471 available at	:
Information	https://www.bio-rad-antibodies.com/SDS/MCA1738SBV570 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 Fax: +44 (0)1865 852 739

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

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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 'M379755:210408'

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