

Datasheet: MCA1738A647

BATCH NUMBER 151398

| Description: | MOUSE ANTI HUMAN CD31:Alexa Fluor® 647 | | |
|---------------|--|--|--|
| Specificity: | CD31 | | |
| Other names: | PECAM-1 | | |
| Format: | ALEXA FLUOR® 647 | | |
| Product Type: | Monoclonal Antibody | | |
| Clone: | WM59 | | |
| Isotype: | lgG1 | | |
| Quantity: | 100 TESTS/1ml | | |
| | | | |

Product Details

Applications

Target Chesics

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 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.

| rarget Species | Human |
|----------------|--|
| Species Cross | Reacts with: Cynomolgus monkey, Rhesus Monkey |
| Reactivity | N.B. Antibody reactivity and working conditions may |

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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.

| Purified IgG conjugated to Alexa Fluor®647- liquid | | |
|--|---------------------|---------------------------------|
| Fluorophore | Excitation Max (nm) | Emission Max (nm) |
| Alexa Fluor®647 | 650 | 665 |
| | Fluorophore | Fluorophore Excitation Max (nm) |

| Buffer Solution | Phosphate buffered saline | |
|-----------------------------------|---|--|
| Preservative Stabilisers | 0.09% Sodium Azide 1% Bovine Serum Albumin | |
| Approx. Protein Concentrations | IgG concentration 0.05 mg/ml | |
| External Database Links | UniProt: P16284 Related reagents Entrez Gene: | |
| RRID | 5175 PECAM1 Related reagents AB_322463 | |
| 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. | |

Ig-like domain 2 (Fawcett et al. 1995).

Flow Cytometry

Use 10ul of the suggested working dilution to label 10⁶ cells or 100ul whole blood

References

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The binding epitope for mouse anti human CD31, clone WM59 has been mapped to the

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Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. This product is photosensitive and

should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

Acknowledgements

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Health And Safety Information

Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA1738A647

10041

Regulatory

For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL: Alexa Fluor® 647 (MCA928A647)

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

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Email: antibody_sales_uk@bio-rad.com

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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 'M365639:200529'

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