

## Datasheet: MCA1439C

<b>Description:</b>	RAT ANTI MOUSE CD19:RPE-Cy5
<b>Specificity:</b>	CD19
<b>Format:</b>	RPE-CY5
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	6D5
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	100 TESTS/1ml

## 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat - 1/5

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.

<b>Target Species</b>	Mouse						
<b>Product Form</b>	Purified IgG conjugated to R. Phycoerythrin - Cy5 (RPE-Cy5) - liquid						
<b>Max Ex/Em</b>	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>RPE-Cy5 488nm laser</td> <td>496</td> <td>667</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	RPE-Cy5 488nm laser	496	667
Fluorophore	Excitation Max (nm)	Emission Max (nm)					
RPE-Cy5 488nm laser	496	667					
<b>Preparation</b>	Purified IgG prepared from ascites or tissue culture supernatant						
<b>Buffer Solution</b>	Phosphate buffered saline						
<b>Preservative</b>	0.1% Sodium Azide (NaN <sub>3</sub> )						
<b>Stabilisers</b>	Sucrose						
<b>Immunogen</b>	Human K562 cell line transfected with murine CD19.						
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P25918</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">12478</a> Cd19   <a href="#">Related reagents</a></p>						
<b>Fusion Partners</b>	Spleen cells from immunised rats were fused with cells of the P3X63.Ag8.653 myeloma cell line.						

**Specificity** **Rat anti Mouse CD19 antibody, clone 6D5** recognizes the murine CD19 cell surface antigen, a 95kDa glycoprotein expressed by B lymphocytes. Clone 6D5 has been shown to recognize the same epitope as clone ID3 in cross-competition assays.

**Flow Cytometry** Use 10ul of the suggested working dilution to label  $10^6$  cells or 100ul whole blood.

The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors. This may be reduced by using SeroBlock FcR ([BUF041A/B](#)).

## References

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3. Bermudez-Fajardo, A. *et al.* (2011) The effect of Chlamydomonas pneumoniae Major Outer Membrane Protein (MOMP) on macrophage and T cell-mediated immune responses. [Immunobiology. 216: 152-63.](#)
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13. Meng, Q.H. & White, H.N. (2017) CD21<sup>int</sup> CD23<sup>+</sup> follicular B cells express antigen-specific secretory IgM mRNA as primary and memory responses. [Immunology. 151 \(2\): 211-8.](#)
14. Baer, A. *et al.* (2016) Protein Phosphatase-1 regulates Rift Valley fever virus replication. [Antiviral Res. 127: 79-89.](#)
15. Mccubbrey, A.L. *et al.* (2016) MicroRNA-34a Negatively Regulates Efferocytosis by Tissue Macrophages in Part via SIRT1. [J Immunol. 196 \(3\): 1366-75.](#)

**Storage** Store at +4°C.

DO NOT FREEZE.

This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life** 6 months from date of despatch.

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**Health And Safety Information** Material Safety Datasheet documentation #10331 available at:  
10331: <https://www.bio-rad-antibodies.com/uploads/MSDS/10331.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Negative Controls

[RAT IgG2a NEGATIVE CONTROL:RPE-Cy5 \(MCA1212C\)](#)

### Recommended Useful Reagents

[MOUSE SEROBLOCK FcR \(BUF041A\)](#)

[MOUSE SEROBLOCK FcR \(BUF041B\)](#)

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