

Datasheet: MCA1439P647

Description:	RAT ANTI MOUSE CD19:RPE-Alexa Fluor® 647
Specificity:	CD19
Format:	RPE-ALEXA FLUOR® 647
Product Type:	Monoclonal Antibody
Clone:	6D5
Isotype:	IgG2a
Quantity:	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.

	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.

Target Species	Mouse									
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - Alexa Fluor® 647 - lyophilized									
Reconstitution	Reconstitute with 1.0 ml distilled water									
Max Ex/Em	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>RPE-Alexa Fluor®647 488nm laser</td> <td>496</td> <td>667</td> </tr> <tr> <td>RPE-Alexa Fluor®647 561nm laser</td> <td>546</td> <td>667</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	RPE-Alexa Fluor®647 488nm laser	496	667	RPE-Alexa Fluor®647 561nm laser	546	667
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RPE-Alexa Fluor®647 488nm laser	496	667								
RPE-Alexa Fluor®647 561nm laser	546	667								
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant.									
Buffer Solution	Phosphate buffered saline									
Preservative Stabilisers	0.09% Sodium Azide									

1% Bovine Serum Albumin

5% Sucrose

Immunogen Human K562 cell line transfected with murine CD19.

External Database

Links

UniProt:

[P25918](#)

[Related reagents](#)

Entrez Gene:

[12478](#)

Cd19

[Related reagents](#)

RRID

AB_566592

Fusion Partners

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 ~95 kDa glycoprotein expressed by B lymphocytes. Rat anti Mouse CD19 antibody, clone 6D5 recognizes the same, or a closely related epitope as clone Rat anti Mouse CD19 antibody, clone ID3 in cross-competition assays.

Flow Cytometry

Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.

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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12. Weiss-Gayet, M. *et al.* (2016) Notch Stimulates Both Self-Renewal and Lineage Plasticity in a Subset of Murine CD9High Committed Megakaryocytic Progenitors. [PLoS One. 11 \(4\): e0153860.](#)
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15. Vila-Caballer, M. *et al.* (2019) Disruption of the CCL1-CCR8 axis inhibits vascular Treg recruitment and function and promotes atherosclerosis in mice. [J Mol Cell Cardiol. 132: 154-63.](#)

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.
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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #20487 available at: 20487: https://www.bio-rad-antibodies.com/uploads/MSDS/20487.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Useful Reagents

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

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

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