

Datasheet: MCA6006A647

BATCH NUMBER 165620

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| Description: | RAT IgG2b NEGATIVE CONTROL:Alexa Fluor® 647 |
| Specificity: | RAT IgG2b NEGATIVE CONTROL |
| Format: | ALEXA FLUOR® 647 |
| Product Type: | Negative/Isotype Control |
| Isotype: | IgG2b |
| 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 | ▪ | | | * |

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. *This antibody should be used at the same concentration as the test antibody.

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|---------------------------------------|---|----------------------------|--------------------------|
| Target Species | Negative Control | | |
| Product Form | Purified IgG conjugated to Alexa Fluor® 647 - liquid | | |
| Max Ex/Em | Fluorophore | Excitation Max (nm) | Emission Max (nm) |
| | Alexa Fluor®647 | 650 | 665 |
| Preparation | Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant | | |
| Buffer Solution | Phosphate buffered saline | | |
| Preservative | 0.09% Sodium Azide (NaN ₃) | | |
| Stabilisers | 1% Bovine Serum Albumin | | |
| Approx. Protein Concentrations | IgG concentration 0.05 mg/ml | | |
| Immunogen | KLH | | |

Specificity **Rat IgG2b negative control**, a rat monoclonal raised against KLH, is recommended for use as a negative control to assess the level of non-specific binding of rat IgG2b test antibodies to the surface of human and mouse cells in flow cytometry.

Test results have shown that this antibody is also suitable for use as a negative control with porcine and canine cells.

Flow Cytometry Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul

References

1. Stavre, Z. *et al.* (2022) A role for neutrophils in early enthesitis in spondyloarthritis. [Arthritis Res Ther. 24 \(1\): 24.](#)
2. Andrews, S.L. *et al.* (2023) SVEP1 influences monocyte to macrophage differentiation via integrin $\alpha 4\beta 1/\alpha 9\beta 1$ and Rho/Rac signalling. [Biochim Biophys Acta Mol Cell Res. 1870 \(6\): 119479.](#)

Storage This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at $2-8^{\circ}\text{C}$ for short term use (up to 4 weeks) and store the remaining aliquots at -20°C .

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee 12 months from date of despatch

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Health And Safety Information Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA6006A647>
10041

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