

## Datasheet: MCA6006

<b>Description:</b>	RAT IgG2b NEGATIVE CONTROL
<b>Specificity:</b>	RAT IgG2b NEGATIVE CONTROL
<b>Format:</b>	Purified
<b>Product Type:</b>	Negative/Isotype Control
<b>Isotype:</b>	IgG2b
<b>Quantity:</b>	1 mg

### 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	▪			*

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.

<b>Target Species</b>	Negative Control
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	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.

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**Flow Cytometry** Use 10ul of the suggested working dilution to label  $1 \times 10^6$  cells in 100ul.

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**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.](#)

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**Storage** This product is shipped at ambient temperature. It is recommended to aliquot and store at  $-20^{\circ}\text{C}$  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  $-20^{\circ}\text{C}$ .

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

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/MCA6006>  
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**Regulatory** For research purposes only

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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](https://www.bio-rad-antibodies.com/datasheets)  
'M395484:220429'

**Printed on 26 Jun 2024**

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