

## Datasheet: MCA6006A488

<b>Description:</b>	RAT IgG2b NEGATIVE CONTROL:Alexa Fluor® 488
<b>Specificity:</b>	RAT IgG2b NEGATIVE CONTROL
<b>Format:</b>	ALEXA FLUOR® 488
<b>Product Type:</b>	Negative/Isotype Control
<b>Isotype:</b>	IgG2b
<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 <a href="http://www.bio-rad-antibodies.com/protocols">www.bio-rad-antibodies.com/protocols</a> .			
	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.				
Target Species	Negative Control			
Product Form	Purified IgG conjugated to Alexa Fluor 488 - liquid			
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)	
	Alexa Fluor®488	495	519	
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 (NaN <sub>3</sub> ) 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.

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<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label $1 \times 10^6$ cells in 100ul
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<b>References</b>	<p>1. Stavre, Z. <i>et al.</i> (2022) A role for neutrophils in early enthesitis in spondyloarthritis. <a href="#">Arthritis Res Ther. 24 (1): 24.</a></p> <p>2. Andrews, S.L. <i>et al.</i> (2023) SVEP1 influences monocyte to macrophage differentiation via integrin <math>\alpha 4\beta 1/\alpha 9\beta 1</math> and Rho/Rac signalling. <a href="#">Biochim Biophys Acta Mol Cell Res. 1870 (6): 119479.</a></p> <p>3. Rogato, F. <i>et al.</i> (2024) Leukemia cutis as a prominent clinical sign in a dog with acute myeloid leukemia. <a href="#">Vet Clin Pathol. 53 (4): 448-57.</a></p>
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<b>Storage</b>	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°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.
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Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10041 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA6006A488">https://www.bio-rad-antibodies.com/SDS/MCA6006A488</a> 10041
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<b>Regulatory</b>	For research purposes only
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**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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)

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