

## Datasheet: MCA6099PE

**BATCH NUMBER 169638**

<b>Description:</b>	MOUSE ANTI PIG B CELL SUBSET:RPE
<b>Specificity:</b>	B CELL SUBSET
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	BB6-10A10
<b>Isotype:</b>	IgM
<b>Quantity:</b>	0.1 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	▪			Neat - 1/5

Where this product 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 product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Pig		
<b>Product Form</b>	Purified IgM conjugated to R. Phycoerythrin (RPE) - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	RPE 488nm laser	496	578
	RPE 561nm laser	546	578

**Preparation** Purified IgM prepared by combination of precipitation and chromatography techniques

**Buffer Solution** Phosphate buffered saline

**Preservative Stabilisers** <0.1% Sodium Azide (NaN<sub>3</sub>)  
Stabilizing agent (sucrose)

**Approx. Protein Concentrations** IgM concentration 0.1 mg/ml

<b>Specificity</b>	<b>Mouse anti Pig B cell subset antibody, clone BB6-10A10</b> , appears to recognize an immature pig B cell population. Clone BB6-10A10 stains the following percentages of surface immunoglobulin (slg) positive cells in porcine lymphoid tissues: 11-15% in peripheral blood, 22-23% in mesenteric lymph nodes, 79-87% in ileal Peyer's patches, 6-17 in spleen, and 0% in thymus ( <a href="#">Boersma et al. 2001</a> ).
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 1x10 <sup>6</sup> cells in 100ul
<b>References</b>	1. Boersma, W.J. <i>et al.</i> (2001) Summary of workshop findings for porcine B-cell markers. <a href="#">Vet Immunol Immunopathol. 80 (1-2): 63-78.</a>
<b>Storage</b>	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.
<b>Guarantee</b>	Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10045 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA6099PE">https://www.bio-rad-antibodies.com/SDS/MCA6099PE</a> 10045
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Useful Reagents

[MOUSE ANTI PIG CD45RA:FITC \(MCA1751F\)](#)

**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)

'M401856:220718'

Printed on 23 May 2025

© 2025 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)