

## Datasheet: MCA1146PE

**BATCH NUMBER INN0515**

<b>Description:</b>	MOUSE ANTI RAT TCR GAMMA/DELTA:RPE
<b>Specificity:</b>	TCR GAMMA/DELTA
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	V65
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	100 TESTS

### 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

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.

<b>Target Species</b>	Rat		
<b>Product Form</b>	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized		
<b>Reconstitution</b>	Reconstitute with 1ml distilled water		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	RPE 488nm laser	496	578
<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		
	1% Bovine Serum Albumin		
	5% Sucrose		

<b>Immunogen</b>	CD3 +ve TCR alpha/beta -ve rat T cell hybridoma line.
<b>RRID</b>	AB_322446
<b>Fusion Partners</b>	Spleen cells from immunized BALB/c mice were fused with cells of the X63.Ag:8.653 mouse myeloma cell line.
<b>Specificity</b>	<p><b>Mouse anti Rat TCR Gamma/Delta antibody, clone V65</b> recognizes a constant determinant of the rat gamma/delta T cell receptor.</p> <p>Mouse anti Rat TCR Gamma/Delta antibody, clone V65 stains all rat gamma/delta T cells, and also identifies as gamma/delta T cells a population of dendritic epidermal T lymphocytes.</p> <p>Mouse anti Rat TCR Gamma/Delta antibody, clone V65 may be used to stimulate the proliferation of gamma/delta T cells in the presence of either IL-2 or IL-4.</p>
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Kühnlein, P. <i>et al.</i> (1994) Identification and characterization of rat gamma/delta T lymphocytes in peripheral lymphoid organs, small intestine, and skin with a monoclonal antibody to a constant determinant of the gamma/delta T cell receptor. <a href="#">J Immunol. 153 (3): 979-86.</a></li> <li>2. Kühnlein, P. <i>et al.</i> (1995) Gamma/delta T cells in fetal, neonatal, and adult rat lymphoid organs. <a href="#">Dev Immunol. 4 (3): 181-8.</a></li> <li>3. Yrlid, U. <i>et al.</i> (2006) Plasmacytoid dendritic cells do not migrate in intestinal or hepatic lymph. <a href="#">J Immunol. 177: 6115-21.</a></li> </ol>
<b>Storage</b>	<p>Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.</p> <p>DO NOT FREEZE.</p> <p>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.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #20487 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1146PE">https://www.bio-rad-antibodies.com/SDS/MCA1146PE</a> 20487
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:RPE \(MCA1209PE\)](#)

**North & South** Tel: +1 800 265 7376

**Worldwide** Tel: +44 (0)1865 852 700

**Europe** Tel: +49 (0) 89 8090 95 21

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

Fax: +44 (0)1865 852 739

Fax: +49 (0) 89 8090 95 50

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

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

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

batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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