

## Datasheet: MCA1146PE

<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</b>	0.09% Sodium Azide		
<b>Stabilisers</b>	1% Bovine Serum Albumin		
	5% Sucrose		
<b>Immunogen</b>	CD3 +ve TCR alpha/beta -ve rat T cell hybridoma line.		
<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>	<b>Mouse anti Rat TCR Gamma/Delta antibody, clone V65</b> recognizes a constant determinant of the rat gamma/delta T cell receptor.		

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.

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.

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**Flow Cytometry** Use 10ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul.

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**References**

1. Kühnlein, P. *et al.* (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. [J Immunol. 153 \(3\): 979-86.](#)
2. Kühnlein, P. *et al.* (1995) Gamma/delta T cells in fetal, neonatal, and adult rat lymphoid organs. [Dev Immunol. 4 \(3\): 181-8.](#)
3. Yrlid, U. *et al.* (2006) Plasmacytoid dendritic cells do not migrate in intestinal or hepatic lymph. [J Immunol. 177: 6115-21.](#)

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**Storage** Prior to reconstitution store at +4°C. Following reconstitution 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.

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**Shelf Life** 12 months from date of reconstitution.

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**Health And Safety Information** Material Safety Datasheet documentation #10075 available at: 10075: <https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf>

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**Regulatory** For research purposes only

## Related Products

### Recommended Negative Controls

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

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