

Datasheet: MCA1146PE

Description:	MOUSE ANTI RAT TCR GAMMA/DELTA:RPE
Specificity:	TCR GAMMA/DELTA
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	V65
Isotype:	IgG1
Quantity:	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.

	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.

Target Species	Rat		
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized		
Reconstitution	Reconstitute with 1ml distilled water		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% sodium azide (NaN ₃)		
Stabilisers	1% bovine serum albumin 5% sucrose		

Immunogen	CD3 +ve TCR alpha/beta -ve rat T cell hybridoma line.
RRID	AB_322446
Fusion Partners	Spleen cells from immunized BALB/c mice were fused with cells of the X63.Ag:8.653 mouse myeloma cell line.
Specificity	<p>Mouse anti Rat TCR Gamma/Delta antibody, clone V65 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>
Flow Cytometry	Use 10µl of the suggested working dilution to label 10 ⁶ cells in 100µl
References	<ol style="list-style-type: none"> 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. J Immunol. 153 (3): 979-86. 2. Kühnlein, P. <i>et al.</i> (1995) Gamma/delta T cells in fetal, neonatal, and adult rat lymphoid organs. Dev Immunol. 4 (3): 181-8. 3. Yrlid, U. <i>et al.</i> (2006) Plasmacytoid dendritic cells do not migrate in intestinal or hepatic lymph. J Immunol. 177: 6115-21.
Storage	<p>Prior to reconstitution store at +4°C. Following reconstitution store at +4°C. 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>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #20487 available at: https://www.bio-rad-antibodies.com/SDS/MCA1146PE 20487
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

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

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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