

Datasheet: MCA1146

Description:	MOUSE ANTI RAT TCR GAMMA/DELTA
Specificity:	TCR GAMMA/DELTA
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	V65
Isotype:	IgG1
Quantity:	0.25 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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			1/10 - 1/100
Immunohistology - Frozen	■			
Immunohistology - Paraffin			■	
ELISA			■	
Immunoprecipitation	■			
Western Blotting			■	

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 his/her own system using appropriate negative/positive controls.

Target Species	Rat
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Prosep G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	CD3 +ve TCR alpha/beta -ve rat T cell hybridoma line.
Fusion Partners	Spleen cells from immunized BALB/c mice were fused with cells of the X63.Ag:8.653 mouse

myeloma cell line.

Specificity	Mouse anti Rat TCR Gamma/Delta antibody, clone V65 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.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	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	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Human Anti Mouse IgG1 (HCA036...)	HRP

Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®549](#),
[DyLight®649](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA1209\)](#)

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Printed on 20 Jun 2018

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