

Datasheet: MCA6139PE

Description:	MOUSE ANTI HUMAN TCR GAMMA/DELTA:RPE
Specificity:	TCR GAMMA/DELTA
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	B1
Isotype:	IgG1
Quantity:	100 TESTS/0.5ml

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 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.

Target Species

Human

Species Cross Reactivity

Reacts with: Primate

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG conjugated to R. Phycoerythrin (RPE) - liquid

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578
	RPE 561nm laser	546	578

Preparation

Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative <0.1% Sodium Azide (NaN₃)
Stabilisers 0.2% Bovine Serum Albumin

External Database Links

UniProt:
[P07766](#) [Related reagents](#)

Entrez Gene:
[916](#) CD3E [Related reagents](#)

Synonyms T3E

Specificity **Mouse anti Human TCR gamma/delta, clone B1** recognizes TCR gamma/delta, a T cell receptor expressed by a small subset of T cells. In healthy individuals these TCR gamma/delta cells account for 1-10% of peripheral blood lymphocytes ([Gomes et al. 2010](#)).

TCR gamma/delta is composed of disulfide bonded gamma and delta chains that can bind directly to pathogen derived glycoprotein's or non-classical MHC molecules on tumor cells ([Kuhns et al. 2006](#)).

This clone B1 has been used as a blocking antibody in experiments to examine the recognition of tumor cells by TCR gamma/delta cells. These experiments supported the hypothesis that innate NK receptors on gamma/delta cells can also bind and recognize tumor cells ([Correia et al. 2011](#)).

Purity >95% by SDS PAGE

Flow Cytometry Use 5ul of the suggested working dilution to label 1x10⁶ cells in 100ul

Storage Store at +4°C. DO NOT FREEZE.
This product should be stored undiluted. This product is photosensitive and should be protected from light.

Guarantee Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.

Health And Safety Information Material Safety Datasheet documentation #10041 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA6139PE>
10041

Regulatory For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:RPE \(MCA928PE\)](#)

North & South Tel: +1 800 265 7376

Worldwide

Tel: +44 (0)1865 852 700

Europe

Tel: +49 (0) 89 8090 95 21

To

America Fax: +1 919 878 3751

Fax: +44 (0)1865 852 739

Fax: +49 (0) 89 8090 95 50

find a

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Email: 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

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