

Datasheet: MCA6048PE

BATCH NUMBER 1804

Description:	MOUSE ANTI PIG CD8 ALPHA:RPE
Specificity:	CD8 ALPHA
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	11/295/33
Isotype:	IgG2a
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 - 1/10

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	Pig		
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized		
Reconstitution	Reconstitute with 1.0 ml distilled water		
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	0.09% Sodium Azide (NaN ₃)		
Stabilisers	1% Bovine Serum Albumin		

5% Sucrose

Immunogen	Porcine lymphocytes
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Specificity	<p>Mouse anti Pig CD8 alpha antibody, clone 11/295/33 recognizes an epitope on the alpha chain of porcine CD8. Clone 11/295/33 detects a different epitope from that bound by clone 76-2-11.</p> <p>In addition to thymocytes and cytotoxic T cells, CD8 alpha is expressed on porcine NK cells. Swine CD8 alpha+CD3- NK cells are divided into NKp46+ (CD335) and NKp46- cells. A further CD8 alpha dim/- NKp46 high NK cell population can be found in porcine spleen and liver (Mair et al. 2012, 2013). Pigs are also remarkable in having significant levels of peripheral CD4 CD8 double positive T cells (Saalmüller et al. 1987; Zuckermann 1999).</p>
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Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul
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References	1. Melgoza-González, A.E. <i>et al.</i> (2022) Antigen Targeting of Porcine Skin DEC205+ Dendritic Cells Vaccines. 10 (5): 684.
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Further Reading	1. Piriou-Guzylack, L. (2008) Membrane markers of the immune cells in swine: an update. Vet Res. 39: 54.
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Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light.
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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #20487 available at: https://www.bio-rad-antibodies.com/SDS/MCA6048PE 20487
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Regulatory	For research purposes only
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Related Products

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL:RPE \(MCA929PE\)](#)

Recommended Useful Reagents

[MOUSE ANTI PIG CD4:Alexa Fluor® 647 \(MCA6045A647\)](#)

[MOUSE ANTI PIG CD8 BETA CHAIN:FITC \(MCA5954F\)](#)

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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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