

Datasheet: MCA6444A647

Description:	MOUSE ANTI PIG CD200R1/CD200R1L:Alexa Fluor® 647
Specificity:	CD200R1/CD200R1L
Format:	ALEXA FLUOR® 647
Product Type:	Monoclonal Antibody
Clone:	PCT1
Isotype:	IgG1
Quantity:	100 TESTS/1ml

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 - 1/2

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 Alexa Fluor® 647 - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	Alexa Fluor®647	650	665

Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
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Buffer Solution	Phosphate buffered saline
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Preservative	0.09% Sodium Azide (NaN ₃)
Stabilisers	1% Bovine Serum Albumin

Approx. Protein Concentrations	IgG concentration 0.05 mg/ml
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Specificity	Mouse anti-Pig CD200R1/CD200R1L antibody, clone PCT1 , recognizes both pig
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CD200R1 and CD200R1L.

CD200R1 and CD200R1L are paired receptors involved in the regulation of immune cell activation. In pigs, these receptors are expressed on various myeloid cells, including monocytes and also a subset of lymphocytes, and play a crucial role in modulating immune responses. CD200R1 acts as an inhibitory receptor, while CD200R1L functions as an activating receptor, together maintaining a balance in immune cell signaling.

Mouse anti-Pig CD200R1/CD200R1L antibody, clone PCT1, has been pivotal in characterizing the expression of these receptors on porcine immune cells. This antibody has enabled detailed analysis of CD200R1 and CD200R1L expression, revealing their distinct roles in immune regulation. Mouse anti-Pig CD200R1/CD200R1L antibody is a valuable tool for studying immune modulation and developing therapeutic strategies in porcine models ([Poderoso *et al.* 2019](#)).

Flow Cytometry	Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul
References	1. Poderoso, T. <i>et al.</i> (2019) Analysis of the expression of porcine CD200R1 and CD200R1L by using newly developed monoclonal antibodies Dev Comp Immunol. 100
Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA6444A647
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Alexa Fluor® 647 \(MCA928A647\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M446217:251024'

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