Datasheet: MCA6048F

Description:	MOUSE ANTI PIG CD8 ALPHA:FITC
Specificity:	CD8 ALPHA
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	11/295/33
Isotype:	IgG2a
Quantity:	0.1 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	▪			Neat - 1/10
Immunofluorescence			▪	

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 Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
FITC	490	525

Preparation

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

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN_3)
1% Bovine Serum Albumin

Approx. Protein Concentrations

IgG concentration 0.1 mg/ml

Immunogen

Porcine lymphocytes

Specificity

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.

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).
Flow Cytometry	Use 10ul of the suggested working dilution to label 10^6 cells in 100ul
Further Reading	1. Piriou-Guzylack, L. (2008) Membrane markers of the immune cells in swine: an update. Vet Res. 39: 54.
Storage	Store at +4ºC or at -20ºC 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.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG2a NEGATIVE CONTROL:FITC (MCA929F)

Recommended Useful Reagents

MOUSE ANTI PIG CD3:RPE (MCA5951PE)
MOUSE ANTI PIG CD8 BETA CHAIN:RPE (MCA5954PE)
MOUSE ANTI PIG CD4:Alexa Fluor® 647 (MCA6045A647)

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