

Datasheet: MCA6047GA

Description:	MOUSE ANTI PIG CD6
Specificity:	CD6
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	a38b2
Isotype:	IgG1
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	▪			1/200 - 1/1000
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 their system using appropriate negative/positive controls.

Target Species	Pig
Product Form	Purified IgG - liquid
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)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen	Porcine T-lymphocytes
External Database Links	UniProt: K7GRE4 Related reagents
Specificity	<p>Mouse anti Pig CD6, clone a38b2, recognizes the porcine homologue of human CD6.</p> <p>Porcine CD6 is expressed exclusively on T-lymphocytes, clone a38b2 recognizes an epitope on T-lymphocytes which is not present on either monocytes or B-cells (Pauly et al. 1996) . Clone a38b2 immunoprecipitates a monomeric protein of ~150 kDa from an activated T-cell lysate. Clone a38b2 binds to different epitope from clone MIL8 (MCA1221GA) on porcine CD6 due to their total lack of reciprocal binding to CD6 expressing cells (Pescovitz et al. 1998).</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	<ol style="list-style-type: none"> 1. Pauly, T. <i>et al.</i> (1996) Differentiation between MHC-restricted and non-MHC-restricted porcine cytolytic T lymphocytes. Immunology. 88 (2): 238-46. 2. Pescovitz, M.D. <i>et al.</i> (1998) Analyses of monoclonal antibodies reacting with porcine wCD6: results from the Second International Swine CD Workshop. Vet Immunol Immunopathol. 60 (3-4): 285-9. 3. Rau, H. <i>et al.</i> (2006) Immunological properties of recombinant classical swine fever virus NS3 protein <i>in vitro</i> and <i>in vivo</i>. Vet Res. 37 (1): 155-68.
Storage	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA6047GA 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG1 (STAR132...) [RPE](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

Recommended Useful Reagents

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

[MOUSE ANTI PIG CD5:FITC \(MCA2307F\)](#)

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'M387660:210702'

Printed on 02 Nov 2023

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