

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
Specificity	<p>Mouse anti Pig CD6, clone a38b2, recognizes the porcine homologue of human CD6.</p> <p>Studies have demonstrated that porcine CD6 is expressed exclusively on T-lymphocytes. Characterization studies of clone a38b2 (Pauly <i>et al.</i> 1996) have shown that this clone recognizes an epitope on T-lymphocytes which not present on either monocytes or B-cells. Clone ab36b2 immunoprecipitates a monomeric protein of ~150 kDa from an activated T-cell lysate. Clone ab36b2 binds to different epitope from clone MIL-8 (MCA1221GA) on porcine CD6 due to their total lack of reciprocal binding to CD6 expressing cells (Pescovitz <i>et al.</i> 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. Rau, H. <i>et al.</i> (2006) Immunological properties of recombinant classical swine fever virus NS3 protein in vitro and in vivo. Vet Res. 37 (1): 155-68. 3. 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.
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: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
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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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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