

## Datasheet: MCA6047A647

<b>Description:</b>	MOUSE ANTI PIG CD6:Alexa Fluor® 647
<b>Specificity:</b>	CD6
<b>Format:</b>	ALEXA FLUOR® 647
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	a38b2
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Pig		
<b>Product Form</b>	Purified IgG conjugated to Alexa Fluor 647 - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	Alexa Fluor®647	650	665
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 1% Bovine Serum Albumin		
<b>Approx. Protein Concentrations</b>	IgG concentration 0.05 mg/ml		

<b>Immunogen</b>	Porcine T-lymphocytes
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">K7GRE4</a> <a href="#">Related reagents</a>
<b>Specificity</b>	<p><b>Mouse anti Pig CD6, clone a38b2</b>, 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 (<a href="#">Pauly et al. 1996</a>) . Clone a38b2 immunoprecipitates a monomeric protein of ~150 kDa from an activated T-cell lysate. Clone a38b2 binds to different epitope from clone MIL8 (<a href="#">MCA1221GA</a>) on porcine CD6 due to their total lack of reciprocal binding to CD6 expressing cells (<a href="#">Pescovitz et al. 1998</a>).</p>
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Pauly, T. <i>et al.</i> (1996) Differentiation between MHC-restricted and non-MHC-restricted porcine cytolytic T lymphocytes. <a href="#">Immunology. 88 (2): 238-46.</a></li> <li>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. <a href="#">Vet Immunol Immunopathol. 60 (3-4): 285-9.</a></li> <li>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>. <a href="#">Vet Res. 37 (1): 155-68.</a></li> </ol>
<b>Storage</b>	<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>
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	<p>This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchased product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or <a href="mailto:outlicensing@thermofisher.com">outlicensing@thermofisher.com</a></p>
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10041 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA6047A647">https://www.bio-rad-antibodies.com/SDS/MCA6047A647</a></p> <p>10041</p>

## Related Products

### Recommended Negative Controls

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

### Recommended Useful Reagents

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

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

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