

## Datasheet: MCA6047GA

**BATCH NUMBER 152616**

<b>Description:</b>	MOUSE ANTI PIG CD6
<b>Specificity:</b>	CD6
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	a38b2
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

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

## Concentrations

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**Immunogen** Porcine T-lymphocytes

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**External Database Links**

**UniProt:**

[K7GRE4](#)

[Related reagents](#)

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**Specificity**

**Mouse anti Pig CD6, clone a38b2**, recognizes the porcine homologue of human CD6.

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](#)).

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**Flow Cytometry**

Use 10ul of the suggested working dilution to label  $10^6$  cells in 100ul.

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**References**

1. Pauly, T. *et al.* (1996) Differentiation between MHC-restricted and non-MHC-restricted porcine cytolytic T lymphocytes. [Immunology. 88 \(2\): 238-46.](#)
  2. Pescovitz, M.D. *et al.* (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. *et al.* (2006) Immunological properties of recombinant classical swine fever virus NS3 protein *in vitro* and *in vivo*. [Vet Res. 37 \(1\): 155-68.](#)
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**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.

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**Guarantee**

12 months from date of despatch

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**Health And Safety Information**

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/MCA6047GA>  
10040

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**Regulatory**

For research purposes only

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## 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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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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