

Datasheet: MCA6047GA

BATCH NUMBER 152616

| | |
|----------------------|---------------------|
| 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 | IgG concentration 1.0 mg/ml |

Concentrations

Immunogen Porcine T-lymphocytes

External Database Links

UniProt:
[K7GRE4](#) [Related reagents](#)

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](#)).

Flow Cytometry Use 10ul of the suggested working dilution to label 10⁶ cells in 100ul.

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.

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

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