Datasheet: MCA1223GA

<table>
<thead>
<tr>
<th>Description</th>
<th>MOUSE ANTI PIG wCD8 ALPHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity</td>
<td>CD8 ALPHA</td>
</tr>
<tr>
<td>Other names</td>
<td>CD8</td>
</tr>
<tr>
<td>Format</td>
<td>Purified</td>
</tr>
<tr>
<td>Product Type</td>
<td>Monoclonal Antibody</td>
</tr>
<tr>
<td>Clone</td>
<td>MIL12</td>
</tr>
<tr>
<td>Isotype</td>
<td>IgG2a</td>
</tr>
<tr>
<td>Quantity</td>
<td>0.1 mg</td>
</tr>
</tbody>
</table>

**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).

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry</td>
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<td></td>
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<td>1/25 - 1/200</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<td>Western Blotting</td>
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</tbody>
</table>

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.

**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 (NaN₃)

**Carrier Free**
Yes

**Approx. Protein Concentrations**
IgG concentration 1.0 mg/ml

**Immunogen**
Porcine mesenteric lymphocytes.
Spleen cells from immunised BALB/c mice were fused with cells of the P3 - X63 - Ag.653 myeloma cell line.

**Specificity**

Mouse anti Pig wCD8 alpha antibody, clone MIL12 recognizes an epitope on the alpha chain of porcine wCD8. Clone MIL12 was clustered at the Third International Swine CD Workshop (Haverson et al. 2001). Clone MIL12 was determined to bind to the CD8a epitope on the alpha chain based on its staining pattern on T lymphocytes and on its ability to block binding of the previously characterized CD8a antibody clone 76-2-11 to T lymphocytes (Saalmuller et al. 2001).

**Flow Cytometry**

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

**References**

22. Pasternak, J. A. (2014) Grouping Pig-Specific Responses to Mitogen with Similar Responder Animals may Facilitate the Interpretation of Results Obtained in an Out-Bred Animal Model *Journal of Vaccines & Vaccination.* 05 (05).

**Further Reading**

**Storage**
Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Guarantee**
18 months from date of despatch.

**Health And Safety Information**

**Regulatory**
For research purposes only

**Related Products**

**Recommended Secondary Antibodies**
- Goat Anti Mouse IgG IgA IgM (STAR87...) *Alk. Phos., HRP*
- Goat Anti Mouse IgG (STAR77...) *HRP*
- Rabbit Anti Mouse IgG (STAR12...) *RPE*
- Rabbit Anti Mouse IgG (STAR8...) *DyLight800*
- Rabbit Anti Mouse IgG (STAR13...) *HRP*
- Goat Anti Mouse IgG (STAR76...) *RPE*
- Goat Anti Mouse IgG (STAR70...) *FITC*
- Goat Anti Mouse IgG (Fc) (STAR120...) *FITC, HRP*
- Rabbit Anti Mouse IgG (STAR9...) *FITC*
- Human Anti Mouse IgG2a (HCA037...) *FITC, HRP*
Goat Anti Mouse IgG (H/L) (STAR117...)  Alk. Phos., DyLight®488, DyLight®680, DyLight®800, FITC, HRP

Recommended Negative Controls

MOUSE IgG2a NEGATIVE CONTROL (MCA929)

North & South America  Tel: +1 800 265 7376  Fax: +1 919 878 3751  Email: antibody_sales_us@bio-rad.com

Worldwide  Tel: +44 (0)1865 852 700  Fax: +44 (0)1865 852 739  Email: antibody_sales_uk@bio-rad.com

Europe  Tel: +49 (0) 89 8090 95 21  Fax: +49 (0) 89 8090 95 50  Email: antibody_sales_de@bio-rad.com

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