Datasheet: MCA636GA

<table>
<thead>
<tr>
<th>Description:</th>
<th>MOUSE ANTI PIG IgG2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity:</td>
<td>IgG2</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>K68 Ig2</td>
</tr>
<tr>
<td>Isotype:</td>
<td>IgG1</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>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
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<tr>
<td>Immunohistology - Frozen</td>
<td>?</td>
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<tr>
<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
<td>?</td>
<td></td>
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<td>1/1000 - 1/50,000</td>
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<td>Immunoprecipitation</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 IgG2

Fusion Partners

Spleen cells from immunised mice were fused with cells of the mouse P3-X63-Ag8.653 myeloma cell line.

Specificity

*Mouse anti Pig IgG2, clone K68 Ig2* recognizes porcine IgG2 and shows no cross-reactivity with IgG1, IgA or IgM. IgG2 (IgG2a and IgG2b), along with IgG1, IgG3 and IgG4 comprise the major known subclasses of IgG in swine. Combined, the various subclasses of IgG comprise approximately 85% of immunoglobulin in porcine serum.

Porcine IgG2 and Ifn-γ levels are significantly elevated in parasite infections by worm species such as *Schistosoma japonicum* (Tian, F. et al. 2010). Antibodies recognizing porcine immunoglobulins such as clone K68 Ig2 have potential use in porcine vaccine development assays (Rodríguez-Calvo et al. 2010).

Clone K68 Ig2 forms part of a range of monoclonal antibodies specific for porcine immunoglobulins and immunoglobulin subclasses available from Bio-Rad.

References


**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/MCA636GA 10040

**Regulatory**

For research purposes only

**Related Products**

**Recommended Secondary Antibodies**

- Goat Anti Mouse IgG (STAR77...) **HRP**
- Rabbit Anti Mouse IgG (STAR12...) **RPE**
- Goat Anti Mouse IgG (STAR70...) **FITC**
- Goat Anti Mouse IgG IgA IgM (STAR87...) **Alk. Phos., HRP**
- Goat Anti Mouse IgG (STAR76...) **RPE**
- Goat Anti Mouse IgG (H/L) (STAR117...) **Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800**
**Recommended Negative Controls**

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

**Recommended Useful Reagents**

MOUSE ANTI PIG IgG1 (MCA635GA)
MOUSE ANTI PIG IgA (MCA638GA)

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M381469:210512'

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