Datasheet: MCA635GA

**Description:** MOUSE ANTI PIG IgG1

**Specificity:** IgG1

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** K139 3C8

**Isotype:** IgG1

**Quantity:** 0.1 mg

### Product Details

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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<tr>
<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<td>Immunohistology - Resin</td>
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<td>ELISA</td>
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<td>1/50 - 1/5000</td>
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<td>Immunoprecipitation</td>
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<td>Western Blotting</td>
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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 G 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 IgG1.

**Fusion Partners** Spleen cells from immunised mice were fused with cells of the mouse P3-X63-Ag8.653 myeloma
Specificity

Mouse anti Pig IgG1, clone K139 3C8, specifically recognizes porcine IgG1 and no cross-reaction has been observed with porcine IgA, IgG2 or IgM.

IgG1, along with IgG2 (IgG2a and IgG2b), 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.

In addition to clone K139 3C8, a range of monoclonal antibodies recognising other porcine IgG subclasses and immunoglobulins are available.

References

5. Lin, D. et al. (2011) Multiple vaccinations with UV-attenuated cercariae in pig enhance protective immunity against Schistosoma japonicum infection as compared to single vaccination. Parasit Vectors. 4:103.

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.

**Shelf Life**
18 months from date of despatch

**Health And Safety Information**

**Regulatory**
For research purposes only

### Related Products

#### Recommended Secondary Antibodies

<table>
<thead>
<tr>
<th>Antibody Description</th>
<th>Detection</th>
<th>Secondary Antibodies</th>
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</thead>
<tbody>
<tr>
<td>Goat Anti Mouse IgG (STAR76...)</td>
<td>RPE</td>
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<tr>
<td>Goat Anti Mouse IgG IgA IgM (STAR87...)</td>
<td>Alk. Phos., HRP</td>
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<tr>
<td>Goat Anti Mouse IgG (H/L) (STAR117...)</td>
<td>Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP</td>
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<td>Rabbit Anti Mouse IgG (STAR9...)</td>
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<td>RPE</td>
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<tr>
<td>Human Anti Mouse IgG1 (HCA036...)</td>
<td>HRP</td>
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#### Recommended Negative Controls

- MOUSE IgG1 NEGATIVE CONTROL (MCA928)

#### Recommended Useful Reagents

- MOUSE ANTI PIG IgG2 (MCA636GA)
- MOUSE ANTI PIG IgA (MCA638GA)