Datasheet: MCA635GA

BATCH NUMBER 164072

Product Details

<table>
<thead>
<tr>
<th>Description:</th>
<th>MOUSE ANTI PIG IgG1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity:</td>
<td>IgG1</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>K139 3C8</td>
</tr>
<tr>
<td>Isotype:</td>
<td>IgG1</td>
</tr>
<tr>
<td>Quantity:</td>
<td>0.1 mg</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Frozen</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Paraffin</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Resin</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELISA</td>
<td></td>
<td></td>
<td></td>
<td>1/50 - 1/5000</td>
</tr>
<tr>
<td>Immunoprecipitation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Western Blotting</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</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 IgG1.

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 IgG1, clone K139 3C8 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 recognizing other porcine IgG subclasses and immunoglobulins are available.

References

8. 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**

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/MCA635GA 10040

**Regulatory**

For research purposes only

**Related Products**

**Recommended Secondary Antibodies**

<table>
<thead>
<tr>
<th>Antibody Type</th>
<th>HRP</th>
<th>RPE</th>
<th>FITC</th>
<th>Alk. Phos.</th>
<th>DyLight®488</th>
<th>DyLight®550</th>
<th>DyLight®650</th>
<th>DyLight®680</th>
<th>DyLight®800</th>
<th>FITC, HRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Goat Anti Mouse IgG (STAR77...)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rabbit Anti Mouse IgG (STAR12...)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Goat Anti Mouse IgG (STAR70...)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Goat Anti Mouse IgG IgA IgM (STAR87...)</td>
<td>Alk. Phos.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Goat Anti Mouse IgG (STAR76...)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Goat Anti Mouse IgG (H/L) (STAR117...)</td>
<td>Alk. Phos.</td>
<td>DyLight®488</td>
<td>DyLight®550</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Goat Anti Mouse IgG (Fc) (STAR120...)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Rabbit Anti Mouse IgG (STAR13...)    HRP
Rabbit Anti Mouse IgG (STAR9...)    FITC

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

Recommended Useful Reagents

MOUSE ANTI PIG IgG2 (MCA636GA)
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

Printed on 19 Oct 2023