### Datasheet: MCA628GA

**Description:** MOUSE ANTI BOVINE/OVINE IgA  
**Specificity:** IgA  
**Format:** Purified  
**Product Type:** Monoclonal Antibody  
**Clone:** K84 2F9  
**Isotype:** IgG1  
**Quantity:** 0.1 mg

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**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>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>ELISA</td>
<td>✗</td>
<td></td>
<td>1/5000 - 1/80,000</td>
<td></td>
</tr>
<tr>
<td>Immunoprecipitation</td>
<td>✗</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Western Blotting</td>
<td>✗</td>
<td></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**  
Bovine

**Species Cross Reactivity**  
Reacts with: Sheep  
**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

**Product Form**  
Purified IgG - liquid

**Preparation**  
Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

**Buffer Solution**  
Phosphate buffered saline
<table>
<thead>
<tr>
<th>Preservative Stabilisers</th>
<th>0.09% Sodium Azide (NaN₃)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carrier Free</td>
<td>Yes</td>
</tr>
<tr>
<td>Approx. Protein Concentrations</td>
<td>IgG concentration 1.0 mg/ml</td>
</tr>
<tr>
<td>Immunogen</td>
<td>Bovine IgA.</td>
</tr>
<tr>
<td>Fusion Partners</td>
<td>Spleen cells from immunized mice were fused with cells of the P3.X63.Ag8.653 myeloma cell line.</td>
</tr>
</tbody>
</table>

**Specificity**

Mouse anti Bovine IgA antibody, clone K84 2F9 recognizes bovine and ovine IgA. No cross reactivity is observed with Bovine or Ovine IgG and IgM.

**References**

12. Mahajan, A. *et al.* (2009) An investigation of the expression and adhesin function of...


**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/MCA628GA

**Regulatory**

For research purposes only

**Related Products**

**Recommended Secondary Antibodies**

- Rabbit Anti Mouse IgG (STAR12...) RPE
- Goat Anti Mouse IgG IgA IgM (STAR87...) HRP
- Goat Anti Mouse IgG (STAR76...) RPE
- Rabbit Anti Mouse IgG (STAR13...) HRP
- Goat Anti Mouse IgG (STAR70...) FITC
- Goat Anti Mouse IgG (H/L) (STAR117...) Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP
- Goat Anti Mouse IgG (Fc) (STAR120...) FITC, HRP
- Rabbit Anti Mouse IgG (STAR9...) FITC
- Goat Anti Mouse IgG (STAR77...) HRP

**Recommended Negative Controls**
Recommended Useful Reagents

MOUSE ANTI SHEEP IgE (MCA5941GA)
MOUSE ANTI BOVINE IgG1 (MCA627GA)
MOUSE ANTI BOVINE IgA (MCA2438GA)
MOUSE ANTI BOVINE IgA:HRP (MCA2438P)
MOUSE ANTI BOVINE IgG (MCA2439GA)
MOUSE ANTI BOVINE IgG:HRP (MCA2439P)
MOUSE ANTI BOVINE IgG1 (MCA2440GA)
MOUSE ANTI BOVINE IgG1:HRP (MCA2440P)
MOUSE ANTI BOVINE IgG2 (MCA2441GA)
MOUSE ANTI BOVINE IgG2:HRP (MCA2441P)
MOUSE ANTI BOVINE IgM (MCA2443GA)