Datasheet: MCA647G

BATCH NUMBER 162460

<table>
<thead>
<tr>
<th>Description:</th>
<th>MOUSE ANTI HUMAN IgG (Fc) CH2 DOMAIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity:</td>
<td>IgG (Fc) (CH2 DOMAIN)</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>MK 1 A6</td>
</tr>
<tr>
<td>Isotype:</td>
<td>IgG1</td>
</tr>
<tr>
<td>Quantity:</td>
<td>0.2 mg</td>
</tr>
</tbody>
</table>

**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></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>
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</tr>
<tr>
<td>Immunohistology - Frozen (1)</td>
<td></td>
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<tr>
<td>Immunohistology - Paraffin</td>
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<tr>
<td>ELISA</td>
<td>Yes</td>
<td></td>
<td></td>
<td>1/1,000 - 1/10,000</td>
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<tr>
<td>Immunoprecipitation</td>
<td>Yes</td>
<td></td>
<td></td>
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<tr>
<td>Western Blotting</td>
<td>Yes</td>
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</tbody>
</table>

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

(1) The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Bio-Rad recommends the use of acetone fixation for frozen sections.

**Target Species**

Human

**Species Cross Reactivity**

Reacts with: Rhesus Monkey

**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

Buffer Solution
Phosphate buffered saline

Preservative Stabilisers
0.09% Sodium Azide

Carrier Free
Yes

Approx. Protein Concentrations
IgG concentration 1.0mg/ml

Immunogen
Human IgG Polyclonal.

External Database Links

UniProt:
P01857 Related reagents
P01859 Related reagents
P01861 Related reagents
P01834 Related reagents
P01860 Related reagents
P0CG04 Related reagents

Entrez Gene:
3500 IGHG1 Related reagents
3501 IGHG2 Related reagents
3502 IGHG3 Related reagents
3503 IGHG4 Related reagents
3514 IGKC Related reagents
28815 IGLV2-14 Related reagents

RRID
AB_321910

Fusion Partners
Spleen cells from BALB/c mouse were fused with cells from the mouse NS1 myeloma cell line.

Specificity
Mouse anti Human IgG (Fc) CH2 domain, clone MK 1 A6 recognizes human IgG Fc (all subclasses).

CH2 and hinge regions have an important role in effector functions of IgG. The epitope detected by clone MK 1 A6 lies within the CH2 domain as determined by haemagglutination and western blotting using IgG heavy chain and myelomas with defined domain deletions.

References
2. Wozniak-Knopp, G. et al. (2010) Introducing antigen-binding sites in structural loops 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/MCA647G

10040

**Regulatory**

For research purposes only

**Related Products**

**Recommended Secondary Antibodies**

- Rabbit Anti Mouse IgG (STAR12...)
- Goat Anti Mouse IgG IgA IgM (STAR87...)
- Goat Anti Mouse IgG (STAR76...)
- Rabbit Anti Mouse IgG (STAR13...)
- Goat Anti Mouse IgG (STAR70...)
- Goat Anti Mouse IgG (H/L) (STAR117...)
- Goat Anti Mouse IgG (Fc) (STAR120...)
- Goat Anti Mouse IgG (STAR77...)
- Rabbit Anti Mouse IgG (STAR9...)

- RPE
- Alk. Phos., HRP
- RPE
- HRP
- FITC
- Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP
- FITC, HRP
- HRP
- FITC