Datasheet: MCA5735G

<table>
<thead>
<tr>
<th>Description</th>
<th>MOUSE ANTI PHENOBARBITAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity</td>
<td>PHENOBARBITAL</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>PH3</td>
</tr>
<tr>
<td>Isotype</td>
<td>IgG1</td>
</tr>
<tr>
<td>Quantity</td>
<td>1 mg</td>
</tr>
</tbody>
</table>

**Product Details**

**RRID**  
AB_10843312

**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>ELISA</td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>Immunoassay</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**  
Chemical

**Product Form**  
Purified IgG - liquid

**Preparation**  
Purified IgG prepared by affinity chromatography on Protein A from ascites

**Buffer Solution**  
Phosphate buffered saline

**Preservative Stabilisers**  
0.09% Sodium Azide (NaN₃)

**Approx. Protein Concentrations**  
IgG concentration 1.0mg/ml

**Specificity**  
Mouse anti Phenobarbital antibody, clone PH3 recognizes phenobarbital, one of around 12 compounds derivatised from barbituric acid. These compounds are central nervous system depressants and are commonly used as sedatives, anaesthetics, hypnotics and anticonvulsants. They can be classified into three groups: ultra-short-acting (clinically used as anaesthetics), short/intermediate-acting and long-acting (clinically used as anticonvulsants). Barbiturates are addictive and potentially very dangerous, producing feelings of tranquillity, but overdose can lead to a dramatic fall in blood pressure and body temperature, depressed respiration and coma. The
short-acting barbiturates are the most favoured by recreational drug users.

Phenobarbital is the most widely used anticonvulsant, often used for long-term control of seizures, since it has a very long half-life (2-7 days).

### Intended Use
Bio-Rad recommends that the user determines this product’s suitability for any particular application.

### Storage
Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

### Guarantee
18 months from date of despatch.

### Health And Safety Information

### Regulatory
For research purposes only

### Related Products
**Recommended Secondary Antibodies**

- Goat Anti Mouse IgG IgA IgM (STAR87...): [Alk. Phos., HRP](#)
- Goat Anti Mouse IgG (STAR77...): [HRP](#)
- Rabbit Anti Mouse IgG (STAR12...): [RPE](#)
- Rabbit Anti Mouse IgG (STAR8...): [DyLight®800](#)
- Rabbit Anti Mouse IgG (STAR13...): [HRP](#)
- Goat Anti Mouse IgG (STAR76...): [RPE](#)
- Goat Anti Mouse IgG (STAR70...): [FITC](#)
- Goat Anti Mouse IgG (Fc) (STAR120...): [FITC, HRP](#)
- Rabbit Anti Mouse IgG (STAR9...): [FITC](#)
- Goat Anti Mouse IgG (H/L) (STAR117...): [Alk. Phos., DyLight®488, DyLight®680, DyLight®800, FITC, HRP](#)

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