## Product Details

### Description:
MOUSE ANTI CYTOMEGALOVIRUS gB LATE NEUTRALIZING ANTIGEN

### Specificity:
CYTOMEGALOVIRUS gB LATE NEUTRALIZING ANTIGEN

### Other names:
CMV

### Format:
Purified

### Product Type:
Monoclonal Antibody

### Clone:
HCMV37

### Isotype:
IgG2a

### Quantity:
0.2 mg

### 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>
<td></td>
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<tr>
<td>Immunofluorescence</td>
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</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 the appropriate negative/positive controls.

### Target Species
Viral

### 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 (NaN₃)

### Carrier Free
Yes

### Approx. Protein Concentrations
1.0 mg/ml
**Immunogen**

Human CMV extracts.

**Specificity**

Mouse anti Cytomegalovirus gB Late Neutralizing Antigen antibody, clone HCMV37 recognizes Cytomegalovirus glycoprotein B late neutralizing antigen. Cytomegalovirus is an enveloped double stranded DNA virus which in humans (HCMV) is commonly known as human herpesvirus 5 (HHV-5).

Glycoprotein B (gB) is the main antigenic protein within the envelope of HCMV. It is required for HCMV mediated membrane fusion along with the gH / gL complex. The unprocessed precursor of HCMV gB is 906 amino acids in length, with a MW of approximately 100 kDa.

Mouse anti Cytomegalovirus gB Late Neutralizing Antigen antibody, clone HCMV37 reacts with MRC-5 infected cells but not uninfected cells. This antibody has been found to be neutralizing.

**Immunohistology**

Reactive only in acetone fixed CMV infected cells or frozen sections.

**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**

12 months from date of despatch

**Health And Safety Information**


10040

**Regulatory**

For research purposes only

**Related Products**

**Recommended Secondary Antibodies**

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