Datasheet: VMA00668

<table>
<thead>
<tr>
<th>Description:</th>
<th>MOUSE ANTI RETINOBLASTOMA GENE PROTEIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity:</td>
<td>RETINOBLASTOMA GENE PROTEIN</td>
</tr>
<tr>
<td>Format:</td>
<td>Purified</td>
</tr>
<tr>
<td>Product Type:</td>
<td>PrecisionAb Monoclonal</td>
</tr>
<tr>
<td>Isotype:</td>
<td>IgG1</td>
</tr>
<tr>
<td>Quantity:</td>
<td>100 µl</td>
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### Product Details

**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></th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
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<tbody>
<tr>
<td>Western Blotting</td>
<td></td>
<td></td>
<td></td>
<td>1/1000</td>
</tr>
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</table>

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](http://www.bio-rad-antibodies.com/protocols) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

**Target Species**

Human

**Product Form**

Purified IgG - liquid

**Preparation**

Mouse monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.09% Sodium Azide (NaN₃)

**Immunogen**

Partial recombinant of human retinoblastoma gene protein

**External Database Links**

UniProt:

- [P06400](http://www.uniprot.org/uniprot/P06400) Related reagents

Entrez Gene:

- [5925](http://www.ncbi.nlm.nih.gov/gene/5925) RB1 Related reagents

**Specificity**

Mouse anti Human retinoblastoma gene protein antibody recognizes retinoblastoma gene protein, also known as retinoblastoma associated protein, RB transcriptional corepressor 1 and retinoblastoma susceptibility protein.
The protein encoded by RB1 is a negative regulator of the cell cycle and was the first tumor suppressor gene found. The encoded protein also stabilizes constitutive heterochromatin to maintain the overall chromatin structure. The active, hypophosphorylated form of the protein binds transcription factor E2F1. Defects in RB1 are a cause of childhood cancer retinoblastoma (RB), bladder cancer, and osteogenic sarcoma (provided by RefSeq, Jul 2008).

Mouse anti Human retinoblastoma gene protein antibody detects a band of 110 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

**Western Blotting**  
Mouse anti retinoblastoma gene protein antibody detects a band of approximately 110 kDa in HEK293 cell lysates

**Storage**  
Store undiluted at -20°C, avoiding repeated freeze thaw cycles

**Guarantee**  
12 months from date of despatch

**Acknowledgements**  
PrecisionAb is a trademark of Bio-Rad Laboratories.

**Health And Safety Information**  

**Regulatory**  
For research purposes only

### Related Products

**Recommended Secondary Antibodies**

- Goat Anti Mouse IgG (H/L) (STAR207...) HRP

**Recommended Negative Controls**

- MOUSE IgG1 NEGATIVE CONTROL (MCA928)