

## Datasheet: VMA00452

|                      |                        |
|----------------------|------------------------|
| <b>Description:</b>  | MOUSE ANTI EIF4E       |
| <b>Specificity:</b>  | EIF4E                  |
| <b>Format:</b>       | Purified               |
| <b>Product Type:</b> | PrecisionAb Monoclonal |
| <b>Isotype:</b>      | IgG1                   |
| <b>Quantity:</b>     | 100 µl                 |

### 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).

|                  | Yes | No | Not Determined | Suggested Dilution |
|------------------|-----|----|----------------|--------------------|
| Western Blotting | ▪   |    |                | 1/1000             |

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) 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

#### Species Cross Reactivity

Reacts with: Rat  
**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 G from ascites

#### Buffer Solution

Phosphate buffered saline

#### Preservative Stabilisers

0.09% Sodium Azide (NaN<sub>3</sub>)

#### Immunogen

EIF4E recombinant protein

|                                      |   |
|--------------------------------------|---|
| <b>External Database Links</b>       | <b>UniProt:</b><br><a href="#">P06730</a> <a href="#">Related reagents</a><br><br><b>Entrez Gene:</b><br><a href="#">1977</a> EIF4E <a href="#">Related reagents</a>  |
| <b>Synonyms</b>                      | EIF4EL1, EIF4F  |
| <b>Specificity</b>                   | <p><b>Mouse anti Human EIF4E antibody</b> recognizes the eukaryotic translation initiation factor 4E, also known as eIF-4E, eIF-4F 25 kDa subunit, eukaryotic translation initiation factor 4E-like 1 or mRNA cap-binding protein.</p> <p>The protein encoded by the EIF4E gene is a component of the eukaryotic translation initiation factor 4F complex, which recognizes the 7-methylguanosine cap structure at the 5' end of cellular mRNAs. The encoded protein aids in translation initiation by recruiting ribosomes to the mRNA. Association of this protein with the 4F complex is the rate-limiting step in translation initiation. Three transcript variants encoding different isoforms have been found for EIF4E (provided by RefSeq, Jan 2012).</p> <p>Mouse anti Human EIF4E antibody detects a band of 28 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p> |
| <b>Western Blotting</b>              | Anti EIF4E detects a band of approximately 28 kDa in Jurkat cell lysate   |
| <b>Storage</b>                       | Store undiluted at -20°C, avoiding repeated freeze thaw cycles.   |
| <b>Guarantee</b>                     | 12 months from date of despatch   |
| <b>Acknowledgements</b>              | PrecisionAb is a trademark of Bio-Rad Laboratories.   |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10040 available at:<br>Antibody (10040): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>   |
| <b>Regulatory</b>                    | For research purposes only  |

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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Look out for updates on how to access your digital version at [bio-rad-antibodies.com](https://www.bio-rad-antibodies.com)

'M370202:200529'

**Printed on 12 Feb 2021**

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