

## Datasheet: VMA00120KT

|                      |                                    |
|----------------------|------------------------------------|
| <b>Description:</b>  | EIF4B ANTIBODY WITH CONTROL LYSATE |
| <b>Specificity:</b>  | EIF4B                              |
| <b>Format:</b>       | Purified                           |
| <b>Product Type:</b> | PrecisionAb Monoclonal             |
| <b>Isotype:</b>      | IgG2b                              |
| <b>Quantity:</b>     | 2 Westerns                         |

### 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             |

**PrecisionAb antibodies have been extensively [validated for the western blot application](#).** The antibody has been validated at the suggested dilution. 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 dependant on sample type.

|                                 |  |
|---------------------------------|--|
| <b>Target Species</b>           | Human  |
| <b>Product Form</b>             | Purified IgG - liquid  |
| <b>Preparation</b>              | 20µl Mouse monoclonal antibody prepared by affinity chromatography on Protein G from ascites |
| <b>Buffer Solution</b>          | Phosphate buffered saline  |
| <b>Preservative Stabilisers</b> | 0.09% Sodium Azide (NaN <sub>3</sub> )   |
| <b>Immunogen</b>                | Purified recombinant fragment of human EIF4B expressed in <i>E. coli</i>                     |
| <b>External Database Links</b>  | <b>UniProt:</b><br><a href="#">P23588</a> <a href="#">Related reagents</a>                   |

**Entrez Gene:**

[1975](#) EIF4B [Related reagents](#)

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|--------------------------------------|---|
| <b>Specificity</b>                   | <p><b>Mouse anti Human EIF4B antibody</b> recognizes EIF4B, also known as eukaryotic translation initiation factor 4B.</p> <p>Eukaryotic translation initiation factor 4B is necessary for the binding of mRNA to ribosomes, promoting the ATPase activity and ATP-dependent RNA unwinding activity of the related proteins, EIF4A and EIF4F.</p> <p>Mouse anti Human EIF4B antibody detects a band of 80 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p> |
| <b>Western Blotting</b>              | Anti EIF4B detects a band of approximately 80 kDa in K562 cell lysates.   |
| <b>Instructions For Use</b>          | Please refer to the <a href="#">PrecisionAb western blotting protocol</a> . For additional information on secondary antibody dilution and exposure time see product web page.   |
| <b>Lysate Composition</b>            | 400µg K562 lysate lyophilized in RIPA buffer.   |
| <b>Lysate Reconstitution</b>         | <p>- If using DDT reconstitute the lyophilized lysate with 190µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.</p> <p>- If using BME reconstitute the lyophilized lysate with 180µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.</p> <p>Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.</p>  |
| <b>Storage</b>                       | <p>Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</p> <p>Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.</p>  |
| <b>Guarantee</b>                     | As supplied, 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 #10561 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><br>Lysate Material (10561): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf</a>  |
| <b>Regulatory</b>                    | For research purposes only  |

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## Related Products

### Recommended Secondary Antibodies

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

### Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

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|----------------------------------|---|------------------|---|---------------|---|
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