

Datasheet: VMA00990

**BATCH NUMBER 100006569**

|                      |                         |
|----------------------|-------------------------|
| <b>Description:</b>  | MOUSE ANTI HUMAN MAP4K1 |
| <b>Specificity:</b>  | MAP4K1                  |
| <b>Format:</b>       | Purified                |
| <b>Product Type:</b> | PrecisionAb Monoclonal  |
| <b>Clone:</b>        | C01/4C3                 |
| <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 |
|---------------------|-----|----|----------------|--------------------|
| Immunoprecipitation | ▪   |    |                | 2.5 µg             |
| Western Blotting    | ▪   |    |                | 1/2000             |

**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.

|                                       |   |
|---------------------------------------|---|
| <b>Target Species</b>                 | Human   |
| <b>Product Form</b>                   | Purified IgG - liquid   |
| <b>Preparation</b>                    | Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant |
| <b>Buffer Solution</b>                | Phosphate buffered saline   |
| <b>Preservative Stabilisers</b>       | 0.09% Sodium Azide (NaN <sub>3</sub> )  |
| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0 mg/ml   |

**Immunogen** *E. coli*-derived recombinant protein, aa 1-274 of human MAP4K1

**External Database**

**Links**

**UniProt:**

[Q92918](#)

[Related reagents](#)

**Entrez Gene:**

[11184](#)

MAP4K1

[Related reagents](#)

**Synonyms**

HPK1

**Specificity**

**Mouse anti Human MAP4K1 antibody** recognizes mitogen-activated protein kinase kinase kinase 1, also known as hematopoietic progenitor kinase 1 (HPK1).

MAP4K1 has been shown to play a role in the activation of c-Jun N-terminal kinases (JNKs) ([Chuang et al. 2016](#)) and IKK-alpha/beta. MAP4K1 supports apoptosis of T cells through inhibition of the anti-apoptotic action of NF-κB and induction of activity of JNK and OHPK1 ([Schulze-Luehrmann et al. 2016](#)).

**Western Blotting**

Mouse anti Human MAP4K1 antibody detects a band of 96 kDa in Jurkat cell lysates

**Storage**

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

**Guarantee**

12 months from date of despatch

**Acknowledgements**

PrecisionAb is a trademark of Bio-Rad Laboratories

**Health And Safety Information**

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00990>  
10040

**Regulatory**

For research purposes only

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