

Datasheet: VMA00990

**BATCH NUMBER 64715879**

<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. Learn about [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
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant protein, aa 1-274 of human MAP4K1

<b>External Database Links</b>	<b>UniProt:</b> <a href="#">Q92918</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">11184</a> MAP4K1 <a href="#">Related reagents</a>
<b>Synonyms</b>	HPK1
<b>Specificity</b>	<p><b>Mouse anti Human MAP4K1 antibody</b> recognizes mitogen-activated protein kinase kinase kinase 1, also known as hematopoietic progenitor kinase 1 (HPK1).</p> <p>MAP4K1 has been shown to play a role in the activation of c-Jun N-terminal kinases (JNKs) (<a href="#">Chuang et al. 2016</a>) 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 (<a href="#">Schulze-Luehrmann et al. 2016</a>).</p>
<b>Western Blotting</b>	Mouse anti Human MAP4K1 antibody detects a band of 96 kDa in Jurkat cell lysates
<b>Storage</b>	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<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: <a href="https://www.bio-rad-antibodies.com/SDS/VMA00990">https://www.bio-rad-antibodies.com/SDS/VMA00990</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Negative Controls

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

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)

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