

## Datasheet: VMA00990

<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
<b>Immunogen</b>	<i>E. coli</i> -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

---

## Related Products

### Recommended Negative Controls

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

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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

'M398323:220622'

Printed on 18 Jan 2024

---

