

Datasheet: VMA00990

BATCH NUMBER 100006569

Description:	MOUSE ANTI HUMAN MAP4K1
Specificity:	MAP4K1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	C01/4C3
Isotype:	IgG1
Quantity:	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.

	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.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	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

Related Products

Recommended Negative Controls

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

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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)

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