

## Datasheet: VMA00352

<b>Description:</b>	MOUSE ANTI MAPK14
<b>Specificity:</b>	MAPK14
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb™ Monoclonal
<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
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>Species Cross Reactivity</b>	Reacts with: Mouse, Rat <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Mouse monoclonal antibody 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>Immunogen</b>	Recombinant human MAPK14
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q16539</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">1432</a>   MAPK14   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	CSBP, CSBP1, CSBP2, CSPB1, MXI2

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**Specificity** **Mouse anti Human MAPK14 antibody** recognizes mitogen-activated protein kinase 14, also known as CSAID-binding protein, Csaisd binding protein, MAP kinase 14, MAP kinase Mxi2, MAP kinase p38 alpha, MAX-interacting protein 2, cytokine suppressive anti-inflammatory drug binding protein, mitogen-activated protein kinase p38 alpha, p38 MAP kinase, p38 mitogen activated protein kinase, p38alpha Exip and stress-activated protein kinase 2A.

Encoded by the MAPK14 gene, mitogen-activated protein kinase 14 is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is activated by various environmental stresses and proinflammatory cytokines. The activation requires its phosphorylation by MAP kinase kinases (MKKs), or its autophosphorylation triggered by the interaction of MAP3K7IP1/TAB1 protein with this kinase. The substrates of this kinase include transcription regulator ATF2, MEF2C, and MAX, cell cycle regulator CDC25B, and tumor suppressor p53, which suggest the roles of this kinase in stress related transcription and cell cycle regulation, as well as in genotoxic stress response. Four alternatively spliced transcript variants of MAPK14 encoding distinct isoforms have been reported (provided by RefSeq, Jul 2008).

Mouse anti Human Mitogen-activated protein kinase 14 antibody detects a band of 41 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting** Anti MAPK14 detects a band of approximately 41 kDa in Jurkat cell lysates

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**Instructions For Use** Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

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**Storage** Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

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**Shelf Life** As supplied, 12 months from date of despatch.

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**Acknowledgements** PrecisionAb™ is a trademark of Bio-Rad Laboratories.

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory** 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 IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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