

Datasheet: VMA00352

Description:	MOUSE ANTI MAPK14
Specificity:	MAPK14
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	CPTC24
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
Flow Cytometry	▪			
Western Blotting	▪			1/1000

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

Species Cross Reactivity

Reacts with: Mouse, Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Mouse monoclonal antibody prepared by affinity chromatography on Protein G from tissue culture supernatant.

Buffer Solution

Phosphate buffered saline.

Preservative

0.09% Sodium Azide (NaN₃).

Stabilisers

Approx. Protein Concentrations IgG concentration 0.5 mg/ml.

Immunogen Recombinant human MAPK14

External Database Links**UniProt:**[Q16539](#)[Related reagents](#)**Entrez Gene:**[1432](#)

MAPK14

[Related reagents](#)

Synonyms CSBP, CSBP1, CSBP2, CSPB1, MXI2

Specificity

Mouse anti Human MAPK14 antibody recognizes mitogen-activated protein kinase 14, also known as CSAID-binding protein, Csaids 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.

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

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

Guarantee 12 months from date of despatch.

Acknowledgements PrecisionAb is a trademark of Bio-Rad Laboratories.

Health And Safety Material Safety Datasheet documentation #10040 available at:

Information Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only.

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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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M404557:220901'

Printed on 01 Sep 2022

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