

Datasheet: VMA00407

BATCH NUMBER 160303

Description:	MOUSE ANTI MAPK8 / JNK1
Specificity:	MAPK8 / JNK1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	GH05/4G10
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
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: 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 purified 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 *E.coli*-derived recombinant protein corresponding to aa 1-427 of human MAPK8 / JNK1

External Database Links**UniProt:**

[P45983](#) [Related reagents](#)

Entrez Gene:

[5599](#) MAPK8 [Related reagents](#)

Synonyms JNK1, PRKM8, SAPK1

Specificity

Mouse anti Human MAPK8 / JNK1 antibody recognizes mitogen-activated protein kinase 8, also known as JUN N-terminal kinase, c-Jun N-terminal kinase 1, mitogen-activated protein kinase 8 isoform JNK1 alpha1, mitogen-activated protein kinase 8 isoform JNK1 beta2 and stress-activated protein kinase 1c.

Encoded by the MAPK8 / JNK1 gene, mitogen-activated protein kinase 8 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 cell stimuli, and targets specific transcription factors, and thus mediates immediate-early gene expression in response to cell stimuli. The activation of this kinase by tumor-necrosis factor alpha (TNF-alpha) is found to be required for TNF-alpha induced apoptosis. This kinase is also involved in UV radiation induced apoptosis, which is thought to be related to cytochrome c-mediated cell death pathway. The mouse counterpart of MAPK8 suggested that this kinase plays a key role in T cell proliferation, apoptosis and differentiation. Five alternatively spliced transcript variants encoding distinct isoforms have been reported (provided by RefSeq, Jun 2013).

Mouse anti Human MAPK8 / JNK1 antibody detects a band of 44/52 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting Anti MAPK8 / JNK1 detects a band of approximately 44/52 kDa in K562 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 Information Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00407>
Antibody (10040)

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

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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
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