

## Datasheet: MCA5033Z

<b>Description:</b>	MOUSE ANTI HUMAN MAP3K13:Preservative Free
<b>Specificity:</b>	MAP3K13
<b>Format:</b>	Preservative Free
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	4H7
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	0.1 mg

## 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	■			0.1 - 10 ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	Ig concentration 0.5 mg/ml
<b>Immunogen</b>	Recombinant protein corresponding to aa 711-810 of human MAP3K13.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">O43283</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">9175</a>   MAP3K13   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	LZK

RRID AB\_2141856

**Fusion Partners** Spleen cells from BALB/c mice were fused with cells from the Sp2/0 myeloma cell line.

**Specificity** **Mouse anti Human MAP3K13 antibody, clone 4H7** recognizes human mitogen activated protein kinase kinase kinase 13, also known as MAP3K13, Leucine zipper-bearing kinase or Mixed lineage kinase. MAP3K13 is a 966 amino acid ~120 kDa kinase involved in Activation of the JUN N-terminal pathway.

Five isoforms of MAP3K13 generated by alternative splicing have been described. Mouse anti Human MAP3K13 antibody, clone 4H7 binds to the canonical isoform 1. The antibody was generated using an immunogen corresponding to sequence toward the c-terminal region of MAP3K13 and is expected to also recognize isoforms 3 and 4 in which the c-terminal region is unaltered. However Mouse anti Human MAP3K13 antibody, clone 4H7 is not expected to recognize potential isoforms 2 and 5 both of which have deletions of the c-terminal region including the complete immunogen sequence used to isolate clone 4H7 ([UniProt : O43283](#)).

MAP3K13 is strongly expressed in the pancreas, it is also expressed in adult brain, liver and placenta as assessed using Northern blot analysis ([Sakuma et al.1997](#)).

**Storage** Store at -20°C only.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Guarantee** 12 months from date of despatch

**Health And Safety Information** Material Safety Datasheet documentation #10162 available at:  
10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

**Regulatory** For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)  
Goat Anti Mouse IgG (STAR77...) [HRP](#)  
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)  
Rabbit Anti Mouse IgG (STAR8...) [DyLight®800](#)  
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)  
Goat Anti Mouse IgG (STAR76...) [RPE](#)  
Goat Anti Mouse IgG (STAR70...) [FITC](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)  
Human Anti Mouse IgG2a (HCA037...) [FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®680](#),  
[DyLight®800](#), [FITC](#), [HRP](#)

### Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

**North & South America** Tel: +1 800 265 7376  
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)  
'M368126:200529'

**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)

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