Datasheet: MCA5033Z

Description:	MOUSE ANTI HUMAN MAP3K13:Preservative Free
Specificity:	MAP3K13
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	4H7
Isotype:	IgG2a
Quantity:	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.

	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.

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

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.
Shelf Life	18 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 (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos., HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC, HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Human Anti Mouse IgG2a (HCA037...)	FITC, HRP
Rabbit Anti Mouse IgG (STAR13...)	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

Worldwide
Tel: +44 (0)1865 852 700
Fax: +44 (0)1865 852 739
Email: antibody_sales_uk@bio-rad.com

Europe
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