

Datasheet: VMA00258

BATCH NUMBER 151112

Description:	MOUSE ANTI CASEIN KINASE 1 EPSILON
Specificity:	CASEIN KINASE 1 EPSILON
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI5C9
Isotype:	IgG2a
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: 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 purified by affinity chromatography from ascites.

Buffer Solution

Phosphate buffered saline.

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)
1% Bovine Serum Albumin

50% Glycerol

Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
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Immunogen	Recombinant protein corresponding to amino acids 153-416 of human casein kinase 1 epsilon (NP_689407) produced in <i>E. coli</i>
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External Database Links	UniProt: P49674 Related reagents Entrez Gene: 1454 CSNK1E Related reagents
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Specificity	<p>Mouse anti Human casein kinase 1 epsilon antibody recognizes the casein kinase I isoform epsilon, also known as CKI-epsilon, CKIε and casein kinase I isoform epsilon.</p> <p>Encoded by the CSNK1E gene, casein kinase 1 epsilon is a serine/threonine protein kinase and a member of the casein kinase I protein family, whose members have been implicated in the control of cytoplasmic and nuclear processes, including DNA replication and repair. The encoded protein is found in the cytoplasm as a monomer and can phosphorylate a variety of proteins, including itself. This protein has been shown to phosphorylate period, a circadian rhythm protein. Two transcript variants encoding the same protein have been found for CSNK1E (provided by RefSeq, Jul 2008).</p> <p>Mouse anti Human casein kinase I isoform epsilon antibody detects a band of 43 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
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Western Blotting	Anti casein kinase 1 epsilon detects a band of approximately 43 kDa in HEK293 cell lysates.
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Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
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Guarantee	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 #10048 available at: https://www.bio-rad-antibodies.com/SDS/VMA00258 Antibody (10048)
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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 IgG2a NEGATIVE CONTROL (MCA929)

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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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