

Datasheet: MCA1574

Description:	MOUSE ANTI PROTEIN KINASE C EPSILON
Specificity:	PROTEIN KINASE C EPSILON
Format:	S/N
Product Type:	Monoclonal Antibody
Clone:	17
Isotype:	IgG2a
Quantity:	2 ml

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			▪	
Immunohistology - Frozen	▪			Nt - 1/10
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1/10 - 1/500

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Species Cross Reactivity

Reacts with: Mammals

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

Tissue Culture Supernatant - liquid

Preservative Stabilisers

0.09% Sodium Azide

Immunogen

Protein kinase C-epsilon.

**External Database
Links**

UniProt:

[Q02156](#) [Related reagents](#)

Entrez Gene:

[5581](#) PRKCE [Related reagents](#)

Synonyms

PKCE

RRID

AB_325002

Fusion Partners

Spleen cells from immunized mice were fused with cells of the mouse SP2/0 myeloma cell line.

Specificity

Mouse anti Protein Kinase C epsilon antibody, clone 17 recognizes the epsilon isoform of protein kinase C, known as Protein kinase C epsilon type, nPKC-epsilon or PKC ϵ . PKC ϵ is a 737 amino acid cytoplasmic serine/threonine-protein kinase containing an [AGC-kinase C-terminal](#) domain, a [C2](#) domain, a [protein kinase](#) domain and 2 [DAG-type zinc fingers](#)

Mouse anti Protein Kinase C epsilon antibody, clone 17 recognizes the sequence NQEEFKGFSYFGEDLMP at the C terminus of PKC epsilon.

Further Reading

1. Schaap, D. & Parker, P.J. (1990) Expression, purification, and characterization of protein kinase C-epsilon. [J Biol Chem. 265 \(13\): 7301-7.](#)
2. Aksoy, E. *et al.* (2004) Protein kinase C epsilon: a new target to control inflammation and immune-mediated disorders. [Int J Biochem Cell Biol. 36 \(2\): 183-8.](#)

Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #10055 available at:
10055: <https://www.bio-rad-antibodies.com/uploads/MSDS/10055.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800

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

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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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