

## Datasheet: MCA1572

**BATCH NUMBER 151112**

<b>Description:</b>	MOUSE ANTI PROTEIN KINASE C ALPHA
<b>Specificity:</b>	PROTEIN KINASE C ALPHA
<b>Format:</b>	S/N
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	133
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			Neat - 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

Based on sequence similarity, is expected to react 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

0.1% Sodium Azide

### Immunogen

Protein kinase C alpha.

External Database  
Links

UniProt:

[P17252](#)

[Related reagents](#)

Entrez Gene:

[5578](#)

PRKCA

[Related reagents](#)

Synonyms

PKCA, PRKACA

RRID

AB\_2284228

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 alpha antibody, clone 133** recognizes the  $\alpha$  isoform of protein kinase C. PKC- $\alpha$  is a 672 amino acid enzyme containing a single [AGC-kinase C-terminal](#) domain, a [C2](#) domain, 2 [phorbol-ester/DAGtype zinc fingers](#) and a single [protein kinase](#) domain ([UniProt: P17252](#)).

Mouse anti Protein Kinase C alpha antibody, clone 133 recognizes the sequence PQFVHPILQSAV at the C terminus of PKC $\alpha$ .

References

1. Donovan, A.J. *et al.* (2012) Long QT2 mutation on the Kv11.1 ion channel inhibits current activity by ablating a protein kinase C $\alpha$  consensus site. [Mol Pharmacol. 82 \(3\): 428-37.](#)
2. Chaney, S.Y. *et al.* (2016) Increased proliferation of late-born retinal progenitor cells by gestational lead exposure delays rod and bipolar cell differentiation. [Mol Vis. 22: 1468-89.](#)

Storage

Store at +4°C for one month or at -20°C for longer.

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 #10336 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA157210336>

Regulatory

For research purposes only

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)

Goat Anti Mouse IgG (STAR76...) [RPE](#)

Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>

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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](https://bio-rad-antibodies.com/datasheets)  
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