

## Datasheet: MCA1572

<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

Reacts with: Mammals

**N.B.** Antibody reactivity and working conditions may vary between species.

### 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

### Fusion Partners

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

<b>Specificity</b>	<b>Mouse anti Protein Kinase C alpha antibody, clone 133</b> recognizes the $\alpha$ isoform of protein kinase C. PKC- $\alpha$ is a 672 amino acid enzyme containing a single <a href="#">AGC-kinase C-terminal</a> domain, a <a href="#">C2</a> domain, 2 <a href="#">phorbol-ester/DAGtype zinc fingers</a> and a single <a href="#">protein kinase</a> domain ( <a href="#">UniProt: P17252</a> ).  Mouse anti Protein Kinase C alpha antibody, clone 133 recognizes the sequence PQFVHPILQSAV at the C terminus of PKC $\alpha$ .
<b>References</b>	1. Donovan, A.J. <i>et al.</i> (2012) Long QT2 mutation on the Kv11.1 ion channel inhibits current activity by ablating a protein kinase C $\alpha$ consensus site. <a href="#">Mol Pharmacol. 82 (3): 428-37.</a>
<b>Storage</b>	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.
<b>Shelf Life</b>	18 months from date of despatch.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10336 available at: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10336.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10336.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight@488</a> , <a href="#">DyLight@549</a> , <a href="#">DyLight@649</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>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR8...)	<a href="#">DyLight@800</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Human Anti Mouse IgG2a (HCA037...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>

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