

Datasheet: MCA1167G

**BATCH NUMBER 159333**

<b>Description:</b>	MOUSE ANTI PI-3 KINASE p85 SUBUNIT ALPHA
<b>Specificity:</b>	PI-3 KINASE p85 SUBUNIT ALPHA
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	U5
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.2 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting	▪			1/100 - 1/1000

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

### Target Species

Bovine

### Species Cross Reactivity

Reacts with: Human, Monkey, 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

Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	Baculovirus expressed (Recombinant) Bovine p85 alpha subunit of PI 3 kinase.
<b>External Database Links</b>	<p><b>UniProt:</b></p> <p><a href="#">P23727</a>      <a href="#">Related reagents</a></p> <p><a href="#">P27986</a>      <a href="#">Related reagents</a></p> <p><a href="#">P26450</a>      <a href="#">Related reagents</a></p> <p><a href="#">Q63787</a>      <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p> <p><a href="#">282307</a>    PIK3R1    <a href="#">Related reagents</a></p> <p><a href="#">5295</a>      PIK3R1    <a href="#">Related reagents</a></p> <p><a href="#">18708</a>    Pik3r1    <a href="#">Related reagents</a></p> <p><a href="#">25513</a>    Pik3r1    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	GRB1
<b>RRID</b>	AB_1125343
<b>Fusion Partners</b>	Spleen cells from immunized mice were fused with cells of the NS1 mouse myeloma cell line.
<b>Specificity</b>	<b>Mouse anti PI-3 Kinase p85 Subunit alpha antibody, clone U5</b> recognizes the bcr-homology domain of the p85 alpha subunit of bovine PI 3 kinase.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Reif, K. <i>et al.</i> (1993) Divergent regulation of phosphatidylinositol 3-kinase P85 alpha and P85 beta isoforms upon T cell activation. <a href="#">J Biol Chem. 268 (15): 10780-8.</a></li> <li>2. Tatin, F. <i>et al.</i> (2010) Sodium fluoride induces podosome formation in endothelial cells. <a href="#">Biol Cell. 102 (9): 489-98.</a></li> </ol>
<b>Storage</b>	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	12 months from date of despatch

**Health And Safety  
Information**

Material Safety Datasheet documentation #10040 available at:  
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</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 (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</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://www.bio-rad-antibodies.com/datasheets)

'M383260:210513'

**Printed on 08 Feb 2023**

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