

## Datasheet: MCA1170G

**BATCH NUMBER 151272**

<b>Description:</b>	MOUSE ANTI PI-3 KINASE p85 SUBUNIT BETA
<b>Specificity:</b>	PI-3 KINASE p85 SUBUNIT BETA
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	T15
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.1 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	▪			10 ug/ml
Western Blotting	▪			1/500 - 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. 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.

### Target Species

Bovine

### Species Cross Reactivity

Reacts with: Human, Monkey

**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>	1.0 mg/ml
<b>Immunogen</b>	Balculovirus expressed (Recombinant) p85 beta subunit of bovine PI-3 kinase.
<b>External Database Links</b>	<p><b>UniProt:</b></p> <p><a href="#">P23726</a>      <a href="#">Related reagents</a></p> <p><a href="#">O00459</a>      <a href="#">Related reagents</a></p> <p><a href="#">O08908</a>      <a href="#">Related reagents</a></p> <p><a href="#">Q63788</a>      <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p> <p><a href="#">282308</a>    PIK3R2    <a href="#">Related reagents</a></p> <p><a href="#">5296</a>      PIK3R2    <a href="#">Related reagents</a></p> <p><a href="#">18709</a>    Pik3r2    <a href="#">Related reagents</a></p> <p><a href="#">29741</a>    Pik3r2    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_2163464
<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 beta antibody, clone T15</b> recognizes the p85 subunit of bovine PI-3 kinase.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Brehme, M. <i>et al</i> (2009) Charting the molecular network of the drug target Bcr-Abl. <a href="#">Proc Natl Acad Sci U S A.</a> 106: 7414-9</li> <li>2. Hale, B.G. <i>et al</i>. (2008) Binding of influenza A virus NS1 protein to the inter-SH2 domain of p85 suggests a novel mechanism for phosphoinositide 3-kinase activation. <a href="#">J Biol Chem.</a> 283: 1372-80.</li> <li>3. Ehrhardt, C. <i>et al</i>. (2007) Influenza A virus NS1 protein activates the PI3K/Akt pathway to mediate antiapoptotic signaling responses. <a href="#">J Virol.</a> 81: 3058-67.</li> <li>4. Massone, C. <i>et al</i>. (2011) Immunophenotype of skin lymphocytic infiltrate in patients co-infected with Mycobacterium leprae and human immunodeficiency virus: a scenario dependent on CD8+ and/or CD20+ cells. <a href="#">Br J Dermatol.</a> 165: 321-8.</li> <li>5. Yokoyama, K. <i>et al</i>. (2011) NYAP: a phosphoprotein family that links PI3K to WAVE1 signalling in neurons. <a href="#">EMBO J.</a> 30: 4739-54.</li> <li>6. Ylösmäki, L. <i>et al</i>. (2015) Reorganization of the host cell Crk(L)-PI3 kinase signaling complex by the influenza A virus NS1 protein. <a href="#">Virology.</a> 484: 146-52.</li> </ol>

**Storage** Store at +4°C or at -20°C if preferred

This product should be stored undiluted

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/MCA1170G>  
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**Regulatory** For research purposes only

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## 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...) [HRP](#)  
Goat Anti Mouse IgG (STAR70...) [FITC](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@550](#),  
[DyLight@650](#), [DyLight@680](#), [DyLight@800](#),  
[FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)  
Goat Anti Mouse IgG (STAR77...) [HRP](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

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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)

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