

Datasheet: MCA1167G

BATCH NUMBER 166638

Description:	MOUSE ANTI PI-3 KINASE p85 SUBUNIT ALPHA
Specificity:	PI-3 KINASE p85 SUBUNIT ALPHA
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	U5
Isotype:	IgG1
Quantity:	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.

	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 A from tissue culture supernatant

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% sodium azide (NaN ₃)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Baculovirus expressed (Recombinant) Bovine p85 alpha subunit of PI 3 kinase.
External Database Links	<p>UniProt:</p> <p>P23727 Related reagents</p> <p>P27986 Related reagents</p> <p>P26450 Related reagents</p> <p>Q63787 Related reagents</p> <p>Entrez Gene:</p> <p>282307 PIK3R1 Related reagents</p> <p>5295 PIK3R1 Related reagents</p> <p>18708 Pik3r1 Related reagents</p> <p>25513 Pik3r1 Related reagents</p>
Synonyms	GRB1
RRID	AB_1125343
Fusion Partners	Spleen cells from immunized mice were fused with cells of the NS1 mouse myeloma cell line.
Specificity	Mouse anti PI-3 Kinase p85 Subunit alpha antibody, clone U5 recognizes the bcr-homology domain of the p85 alpha subunit of bovine PI 3 kinase.
References	<ol style="list-style-type: none"> 1. Reif, K. <i>et al.</i> (1993) Divergent regulation of phosphatidylinositol 3-kinase P85 alpha and P85 beta isoforms upon T cell activation. J Biol Chem. 268 (15): 10780-8. 2. Tatin, F. <i>et al.</i> (2010) Sodium fluoride induces podosome formation in endothelial cells. Biol Cell. 102 (9): 489-98.
Storage	<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>
Guarantee	12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA1167G>
10040

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...) [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](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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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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