

Datasheet: MCA1167G

BATCH NUMBER 164780

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 G 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

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