

Datasheet: MCA1170G

Description:	MOUSE ANTI PI-3 KINASE p85 SUBUNIT BETA
Specificity:	PI-3 KINASE p85 SUBUNIT BETA
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	T15
Isotype:	IgG1
Quantity:	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.

	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

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers	0.09% sodium azide (NaN ₃)
Carrier Free	Yes
Approx. Protein Concentrations	1.0 mg/ml
Immunogen	Balculovirus expressed (Recombinant) p85 beta subunit of bovine PI-3 kinase.
External Database Links	<p>UniProt:</p> <p>P23726 Related reagents</p> <p>O00459 Related reagents</p> <p>O08908 Related reagents</p> <p>Q63788 Related reagents</p> <p>Entrez Gene:</p> <p>282308 PIK3R2 Related reagents</p> <p>5296 PIK3R2 Related reagents</p> <p>18709 Pik3r2 Related reagents</p> <p>29741 Pik3r2 Related reagents</p>
RRID	AB_2163464
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 beta antibody, clone T15 recognizes the p85 subunit of bovine PI-3 kinase.
References	<ol style="list-style-type: none"> Ehrhardt, C. <i>et al.</i> (2007) Influenza A virus NS1 protein activates the PI3K/Akt pathway to mediate antiapoptotic signaling responses. J Virol. 81: 3058-67. 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. J Biol Chem. 283: 1372-80. Brehme, M. <i>et al.</i> (2009) Charting the molecular network of the drug target Bcr-Abl. Proc Natl Acad Sci U S A. 106: 7414-9 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. Br J Dermatol. 165: 321-8. Yokoyama, K. <i>et al.</i> (2011) NYAP: a phosphoprotein family that links PI3K to WAVE1 signalling in neurons. EMBO J. 30: 4739-54. 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. Virology. 484: 146-52.
Storage	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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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 10040
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , 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 (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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