

Datasheet: MCA1170G

BATCH NUMBER 1707

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| 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.

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| Target Species | Bovine |
| Species Cross Reactivity | <p>Reacts with: Human, Monkey</p> <p>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.</p> |
| Product Form | Purified IgG - liquid |
| Preparation | Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant. |

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| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.09% Sodium Azide |
| 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"> 1. 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 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. J Biol Chem. 283: 1372-80. 3. 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. 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. Br J Dermatol. 165: 321-8. 5. Yokoyama, K. <i>et al</i>. (2011) NYAP: a phosphoprotein family that links PI3K to WAVE1 signalling in neurons. EMBO J. 30: 4739-54. 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. Virology. 484: 146-52. |

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.

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/MCA1170G>
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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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)
'M364858:200529'

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