

Datasheet: VMA00609

**BATCH NUMBER 170517**

<b>Description:</b>	MOUSE ANTI PI-3 KINASE REGULATORY SUBUNIT 1
<b>Specificity:</b>	PI-3 KINASE REGULATORY SUBUNIT 1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	D03/2G12-4
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	100 µl

## 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
Western Blotting	▪			1/1000

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Mouse, Rat <b>N.B.</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.
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Mouse monoclonal antibody purified 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 (NaN <sub>3</sub> )
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human PI-3 kinase regulatory subunit 1 (aa 429-724)
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P27986</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">5295</a>    PIK3R1    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	GRB1
<b>Specificity</b>	<p><b>Mouse anti Human PI-3 kinase regulatory subunit 1 antibody</b> recognizes PI-3 kinase regulatory subunit 1 (PIK3R1), also known as p85, AGM7, GRB1, IMD36 or phosphatidylinositol 3-kinase regulatory subunit alpha.</p> <p>Phosphatidylinositol 3-kinase phosphorylates the inositol ring of phosphatidylinositol at the 3-prime position. The enzyme comprises a 110 kDa catalytic subunit and a regulatory subunit of either 85, 55 or 50 kDa. This gene encodes the 85 kDa regulatory subunit. Phosphatidylinositol 3-kinase plays an important role in the metabolic actions of insulin, and a mutation in this gene has been associated with insulin resistance. Alternative splicing of this gene results in four transcript variants encoding different isoforms (provided by RefSeq, Jun 2011).</p> <p>Mouse anti Human PI-3 kinase regulatory subunit 1 antibody detects a band of 85 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
<b>Western Blotting</b>	Mouse anti PI-3 kinase regulatory subunit 1 antibody detects a band of approximately 85 kDa in MCF7 cell lysates
<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	PrecisionAb is a trademark of Bio-Rad Laboratories.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/VMA00609">https://www.bio-rad-antibodies.com/SDS/VMA00609</a> Antibody (10040)
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

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batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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