

Datasheet: VMA00111

**BATCH NUMBER 240615**

<b>Description:</b>	MOUSE ANTI PROLIFERATION ASSOCIATED PROTEIN 2G4
<b>Specificity:</b>	PROLIFERATION ASSOCIATED PROTEIN 2G4
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	OTI1D3
<b>Isotype:</b>	IgG1
<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.

### Target Species

Human

### Species Cross Reactivity

Reacts with: 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

Mouse monoclonal antibody purified by affinity chromatography from ascites.

### Buffer Solution

Phosphate buffered saline.

### Preservative Stabilisers

0.09% Sodium Azide (NaN<sub>3</sub>).  
1% Bovine Serum Albumin.

50% Glycerol.

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<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml
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<b>Immunogen</b>	Full length recombinant human proliferation associated protein 2G4 (NP_006182) produced in HEK293T cells
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<b>External Database Links</b>	<b>UniProt:</b> <a href="#">Q9UQ80</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">5036</a> PA2G4 <a href="#">Related reagents</a>
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<b>Synonyms</b>	EBP1
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<b>Specificity</b>	<p><b>Mouse anti Human proliferation associated protein 2G4 antibody</b> recognizes proliferation associated protein 2G4, also known as ErbB-3 binding protein 1, ErbB3-binding protein Ebp1, cell cycle protein p38-2G4 homolog and erbB3-binding protein 1.</p> <p>Proliferation associated protein 2G4, encoded by the PA2G4 gene, is an RNA-binding protein that is involved in growth regulation. This protein is present in pre-ribosomal ribonucleoprotein complexes and may be involved in ribosome assembly and the regulation of intermediate and late steps of rRNA processing. This protein can interact with the cytoplasmic domain of the ErbB3 receptor and may contribute to transducing growth regulatory signals. It is also a transcriptional co-repressor of androgen receptor-regulated genes and other cell cycle regulatory genes through its interactions with histone deacetylases. PA2G4 has been implicated in growth inhibition and the induction of differentiation of human cancer cells. Six pseudogenes, located on chromosomes 3, 6, 9, 18, 20 and X, have been identified (provided by RefSeq, Jul 2008).</p> <p>Mouse anti Human proliferation associated protein 2G4 antibody detects a band of 44 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
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<b>Western Blotting</b>	Anti proliferation associated protein 2G4 detects a band of approximately 44 kDa in HeLa cell lysates.
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<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
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<b>Guarantee</b>	12 months from date of despatch.
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<b>Acknowledgements</b>	PrecisionAb is a trademark of Bio-Rad Laboratories.
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10048 available at: <a href="https://www.bio-rad-antibodies.com/SDS/VMA00111">https://www.bio-rad-antibodies.com/SDS/VMA00111</a> Antibody (10048)
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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [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://bio-rad-antibodies.com/datasheets)

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