

Datasheet: VMA00912

**BATCH NUMBER 100005617**

<b>Description:</b>	MOUSE ANTI GNAQ
<b>Specificity:</b>	GNAQ
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	CD02/1H5
<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 affinity purified on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide

## Stabilisers

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**Approx. Protein Concentrations** IgG concentration 1.0 mg/ml

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**Immunogen** *E. coli*-derived recombinant protein of amino acids 1-359 of human GNAQ

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## External Database Links

**UniProt:**  
[P50148](#)   [Related reagents](#)

**Entrez Gene:**  
[2776](#) GNAQ   [Related reagents](#)

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**Synonyms** GAQ

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**Fusion Partners** Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line

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**Specificity** **Mouse anti GNAQ antibody** recognizes guanine nucleotide-binding protein G(q) subunit alpha, also known as GAQ.

GNAQ encodes an alpha subunit of G proteins, which control ion channels to transmit signals across cell membranes ([Inanobe and Kurachi 2014](#)). GNAQ is involved in the endothelin signaling pathway and regulates the migration of melanoblasts in the dermis during development ([Urtatiz and Raamsdonk 2016](#)). GNAQ is an oncogene for uveal melanoma, for which there are no effective therapies ([Feng et al. 2019](#)).

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**Western Blotting** Mouse anti GNAQ detects a band of approximately 41 kDa in HEK293 cell lysates

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**Storage** Store undiluted at -20°C, avoiding repeated freeze thaw cycles

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**Guarantee** 12 months from date of despatch

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**Acknowledgements** PrecisionAb is a trademark of Bio-Rad Laboratories

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00912>  
Antibody (10040)

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

**North & South America** Tel: +1 800 265 7376  
Fax: +1 919 878 3751

**Worldwide** Tel: +44 (0)1865 852 700  
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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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