

## Datasheet: MCA2114

<b>Description:</b>	MOUSE ANTI HUMAN APOLIPOPROTEIN H
<b>Specificity:</b>	APOLIPOPROTEIN H
<b>Format:</b>	S/N
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	ID2
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	2 ml

## 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
Flow Cytometry			▪	
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive control.

<b>Target Species</b>	Human
<b>Product Form</b>	Tissue Culture Supernatant - liquid
<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P02749</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">350</a>   APOH   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	B2G1

### Specificity

**Mouse anti Human apolipoprotein H antibody, clone 1D2** recognizes the human Apolipoprotein H molecule, also known as beta 2 glycoprotein 1, APC inhibitor, activated protein C-binding protein or anticardiolipin cofactor. Apolipoprotein H is expressed by placental trophoblast cells at high levels. Although the normal physiological role is not known, the protein appears to act as a co-factor for the binding of autoantibodies to phospholipids to trophoblasts, a process involved in

the pathogenesis of recurrent miscarriage and thrombotic tendencies due to [antiphospholipid syndrome](#).

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**Histology Positive Control Tissue**

Placenta

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**References**

1. Mak, I.Y. *et al.* (2002) Regulated expression of signal transducer and activator of transcription, Stat5, and its enhancement of PRL expression in human endometrial stromal cells *in vitro*. [J Clin Endocrinol Metab. 87 \(6\): 2581-8.](#)
2. Vlachoyiannopoulos, P.G. *et al.* (2004) Anti-CD40 antibodies in antiphospholipid syndrome and systemic lupus erythematosus. [Thromb Haemost. 92: 1303-11.](#)
3. Goonetilleke, U.R. *et al.* (2012) Death Is Associated with Complement C3 Depletion in Cerebrospinal Fluid of Patients with Pneumococcal Meningitis [mBio 3: e00272-11](#)
4. Lopez, D. *et al.* (2004) Oxidized low-density lipoprotein/beta2-glycoprotein I complexes and autoantibodies to oxLig-1/beta2-glycoprotein I in patients with systemic lupus erythematosus and antiphospholipid syndrome. [Am J Clin Pathol. 121 \(3\): 426-36.](#)

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**Further Reading**

1. Chamley, L.W. *et al.* (2001) Is interleukin-3 important in antiphospholipid antibody-mediated pregnancy failure? [Fertil Steril. 76 \(4\): 700-6.](#)

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**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.

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**Shelf Life**

18 months from date of despatch.

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**Health And Safety Information**

Material Safety Datasheet documentation #10055 available at: 10055: <https://www.bio-rad-antibodies.com/uploads/MSDS/10055.pdf>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

- Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
- Goat Anti Mouse IgG (STAR77...) [HRP](#)
- Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
- Rabbit Anti Mouse IgG (STAR8...) [DyLight®800](#)
- Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
- Goat Anti Mouse IgG (STAR76...) [RPE](#)
- Goat Anti Mouse IgG (STAR70...) [FITC](#)
- Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
- Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
- Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®549](#), [DyLight®649](#), [DyLight®680](#), [DyLight®800](#), [FITC](#), [HRP](#)

## Recommended Negative Controls

### MOUSE IgG1 NEGATIVE CONTROL (MCA928)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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