

Datasheet: MCA2114

Description:	MOUSE ANTI HUMAN APOLIPOPROTEIN H
Specificity:	APOLIPOPROTEIN H
Format:	S/N
Product Type:	Monoclonal Antibody
Clone:	ID2
Isotype:	IgG1
Quantity:	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.

	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.

Target Species	Human
Product Form	Tissue Culture Supernatant - liquid
Preservative Stabilisers	0.09% Sodium Azide
External Database Links	UniProt: P02749 Related reagents Entrez Gene: 350 APOH Related reagents
Synonyms	B2G1

Specificity

Mouse anti Human apolipoprotein H antibody, clone 1D2 recognises the human Apolipoprotein H molecule, also known as beta 2 glycoprotein 1, APC inhibitor, activated protein C-binding protein or antidiolipin 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](#).

**Histology Positive
Control Tissue**

Placenta

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.](#)

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.](#)

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.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

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

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Human Anti Mouse IgG1 (HCA036...)	HRP
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)

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America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

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