

Datasheet: VMA00884

Description:	MOUSE ANTI PODOPLANIN
Specificity:	PODOPLANIN
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB01/1B6
Isotype:	IgG1
Quantity:	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.

	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 affinity purified on Protein G from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> -derived recombinant protein of amino acids 1-162 of human podoplanin
External Database Links	<p>UniProt: Q86YL7 Related reagents</p> <p>Entrez Gene: 10630 PDPN Related reagents</p>
Synonyms	GP36
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line
Specificity	<p>Mouse anti Podoplanin antibody recognizes podoplanin, also known as aggrus, glycoprotein 36, and T1-alpha.</p> <p>Podoplanin is a mucin-type transmembrane receptor required for correct formation of the lungs and lymphatic system during embryogenesis. Although discovered in the kidney, Podoplanin is expressed in numerous other human tissues including skeletal muscle, heart, placenta, and lung (Sikorska et al. 2019). Podoplanin regulates the activity of proteins including Rho and ezrin, and affects tumor cell motility, invasion and metastasis. Expression of Podoplanin is induced by tumor promoters, and Podoplanin has been suggested as a cancer biomarker and therapeutic agent (Krishnan et al. 2013). Specifically, inhibitors of Podoplanin or the Podoplanin-mediated signaling pathway have been suggested as treatments for small-cell lung cancer (Takahashi et al. 2015).</p>
Western Blotting	Mouse anti podoplanin antibody detects a band of approximately 39 kDa in HEK293 cell lysates
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles
Guarantee	12 months from date of despatch
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: 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

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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