

Datasheet: VMA00937

Description:	MOUSE ANTI CIAPIN1
Specificity:	CIAPIN1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB04/1G9
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
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 1-312 of human CIAPIN1

**External Database
Links**

UniProt:

[Q6FI81](#) [Related reagents](#)

Entrez Gene:

[57019](#) CIAPIN1 [Related reagents](#)

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

Specificity **Mouse anti CIAPIN1 antibody** recognizes anamorsin, also known as cytokine-induced apoptosis inhibitor 1.

CIAPIN1 is an electron transfer protein required for assembly of cytosolic iron-sulfur clusters, a family of cofactors critical for many cellular functions ([Lipper et al. 2015](#)). It is induced by cytokines through the Ras signalling pathway, and inhibits apoptosis in response to pro-apoptotic stimuli ([Song et al. 2013](#)). Due to its anti-apoptotic properties, CIAPIN1 has been implicated in cancer. For example, depletion of CIAPIN1 triggers apoptosis in leukemia cells ([Wang et al. 2016](#)). Overexpression of CIAPIN1 appears to be an important mechanism of multidrug resistance in cancers ([Zhang et al. 2011](#)), upregulating the expression of multidrug related protein 1 (MDR-1) in gastric cancer ([Hao et al. 2006](#)). Targeting of CIAPIN1 is a potential approach to reversing multidrug resistance in breast cancer ([Wang et al. 2014](#)).

Western Blotting Mouse anti CIAPIN1 detects a band of approximately 40 kDa in Jurkat 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 America Tel: +1 800 265 7376
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

