

Datasheet: VMA00937

**BATCH NUMBER 100005657**

<b>Description:</b>	MOUSE ANTI CIAPIN1
<b>Specificity:</b>	CIAPIN1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	AB04/1G9
<b>Isotype:</b>	IgG1
<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>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 Stabilisers</b>	0.09% Sodium Azide
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	<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:  
<https://www.bio-rad-antibodies.com/SDS/VMA00937>  
Antibody (10040)

**Regulatory**

For research purposes only

## Related Products

### Recommended Secondary Antibodies

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

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America**

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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://www.bio-rad-antibodies.com/datasheets)

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