

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:
<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](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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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

'M394690:220215'

Printed on 13 Aug 2023

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