

Datasheet: VMA00851

**BATCH NUMBER 64609615**

|                      |                        |
|----------------------|------------------------|
| <b>Description:</b>  | MOUSE ANTI FKBP4       |
| <b>Specificity:</b>  | FKBP4                  |
| <b>Format:</b>       | Purified               |
| <b>Product Type:</b> | PrecisionAb Monoclonal |
| <b>Clone:</b>        | 4B02/1A9               |
| <b>Isotype:</b>      | IgG2b                  |
| <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 1-459 of human FKBP4          |

**External Database  
Links**

**UniProt:**

[Q02790](#)   [Related reagents](#)

**Entrez Gene:**

[2288](#) FKBP4   [Related reagents](#)

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**Synonyms**

FKBP52

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**Fusion Partners**

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

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**Specificity**

**Mouse anti FKBP4 antibody** recognizes peptidyl-prolyl cis-trans isomerase FKBP4, also known as p59 and rotamase.

FKBP4 is a member of the immunophilin class of co-chaperones, and also acts as a PPlase. Specifically, FKBP4 is a co-chaperone of Hsp90, required for RNA interference (RNAi) ([Pare et al. 2013](#)). FKBP4 is involved with embryonic implantation and decidualization, and expression is altered in the eutopic endometrium of women with endometriosis ([Joshi et al. 2017](#)). Downregulation of FKBP4 may be a significant contributor to infertility in patients who have endometriosis ([Yang et al. 2012](#)). The FKBP4 protein is also a component of the androgen receptor complex, required for the nuclear translocation of androgen receptor after ligand binding. It has been suggested as a therapeutic target in castration-resistant prostate cancer ([Federer-Gsponer et al. 2018](#))

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**Western Blotting**

Mouse anti FKBP4 antibody detects a band of approximately 57 kDa in HEK293 cell lysates

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**Storage**

Store undiluted at -20°C, avoiding repeated freeze thaw cycles

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**Guarantee**

12 months from date of despatch

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**Acknowledgements**

PrecisionAb is a trademark of Bio-Rad Laboratories

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/VMA00851>  
Antibody (10040)

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

**North & South  
America**

Tel: +1 800 265 7376

Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto: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](mailto: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](https://bio-rad-antibodies.com/datasheets)  
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