

Datasheet: VMA00851

BATCH NUMBER 100004328

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

**External Database
Links**

UniProt:

[Q02790](#) [Related reagents](#)

Entrez Gene:

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

Synonyms

FKBP52

Fusion Partners

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

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](#))

Western Blotting

Mouse anti FKBP4 antibody detects a band of approximately 57 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](#)

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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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