

## Datasheet: VMA00631

<b>Description:</b>	MOUSE ANTI TCF4
<b>Specificity:</b>	TCF4
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	AB01/4A12-6-6
<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.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Mouse

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Purified IgG - liquid

### Preparation

Mouse monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant.

### Buffer Solution

Phosphate buffered saline.

### Preservative Stabilisers

0.09% Sodium Azide (NaN<sub>3</sub>).

**Immunogen** *E. coli*-derived recombinant human TCF4 (aa 1-365)

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**External Database**

**Links**

**UniProt:**

[P15884](#) [Related reagents](#)

**Entrez Gene:**

[6925](#) TCF4 [Related reagents](#)

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**Synonyms**

BHLHB19, ITF2, SEF2

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**Specificity**

**Mouse anti Human TCF4 antibody** recognizes TCF4, also known as transcription factor 4, SL3-3 enhancer factor 2, class B basic helix-loop-helix protein 19 or immunoglobulin transcription factor 2.

TCF4 encodes transcription factor 4, a basic helix-loop-helix transcription factor. The encoded protein recognizes an Ephrussi-box ('E-box') binding site ('CANNTG') - a motif first identified in immunoglobulin enhancers. TCF4 is broadly expressed, and may play an important role in nervous system development. Defects in TCF4 are a cause of Pitt-Hopkins syndrome. Multiple alternatively spliced transcript variants that encode different proteins have been described (provided by RefSeq, Aug 2011).

Mouse anti Human TCF4 antibody detects a band of 55 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting**

Mouse anti TCF4 antibody detects a band of approximately 55 kDa in Jurkat 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:  
Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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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](#)

### 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](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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