

Datasheet: VMA00293

**BATCH NUMBER 151112**

|                      |  |
|----------------------|--|
| <b>Description:</b>  | MOUSE ANTI TISSUE FACTOR PATHWAY INHIBITOR |
| <b>Specificity:</b>  | TISSUE FACTOR PATHWAY INHIBITOR            |
| <b>Format:</b>       | Purified                                   |
| <b>Product Type:</b> | PrecisionAb Monoclonal                     |
| <b>Clone:</b>        | OTI4H9                                     |
| <b>Isotype:</b>      | IgG2a                                      |
| <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 purified by affinity chromatography from tissue culture supernatant   |
| <b>Buffer Solution</b>          | Phosphate buffered saline   |
| <b>Preservative Stabilisers</b> | 0.09% Sodium Azide (NaN <sub>3</sub> )<br>1% Bovine Serum Albumin<br>50% Glycerol   |
| <b>Immunogen</b>                | Recombinant protein corresponding to amino acids 29-304 of human tissue factor pathway inhibitor (NP_006278) produced in <i>E. coli</i> |

**External Database  
Links**

**UniProt:**

[P10646](#)   [Related reagents](#)

**Entrez Gene:**

[7035](#)   TFPI   [Related reagents](#)

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**Synonyms**

LACI, TFPI1

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**Specificity**

**Mouse anti Human tissue factor pathway inhibitor antibody, clone OTI4H9**

recognizes tissue factor pathway inhibitor, also known as anti-convertin and extrinsic pathway inhibitor.

Encoded by the TFPI gene, tissue factor pathway inhibitor is a protease inhibitor that regulates the tissue factor (TF)-dependent pathway of blood coagulation. The coagulation process initiates with the formation of a factor VIIa-TF complex, which proteolytically activates additional proteases (factors IX and X) and ultimately leads to the formation of a fibrin clot. The product of TFPI inhibits the activated factor X and VIIa-TF proteases in an autoregulatory loop. The encoded protein is glycosylated and predominantly found in the vascular endothelium and plasma in both free forms and complexed with plasma lipoproteins. Several alternatively spliced transcript variants of TFPI have been described, but the full-length nature of some of these variants has not been confirmed (provided by RefSeq, Jul 2008).

Mouse anti Human tissue factor pathway inhibitor antibody, clone OTI4H9 detects a band of 40-45 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting**

Anti tissue factor pathway inhibitor detects a band of approximately 40-45 kDa in HepG2 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 #10048 available at:  
<https://www.bio-rad-antibodies.com/SDS/VMA00293>  
Antibody (10048)

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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** Tel: +1 800 265 7376

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**Europe** Tel: +49 (0) 89 8090 95 21

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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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