

Datasheet: VMA00293

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

Links

[P10646](#) [Related reagents](#)

Entrez Gene:

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

Synonyms

LACI, TFPI1

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.

Western Blotting

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

Regulatory

For research purposes only.

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

North & South Tel: +1 800 265 7376

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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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