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.

<table>
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<tr>
<th>Method</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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</thead>
<tbody>
<tr>
<td>Western Blotting</td>
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<td>1/1000</td>
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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

0.09% Sodium Azide (NaN₃)

1% Bovine Serum Albumin

50% Glycerol

Stabilisers

Immunogen

Recombinant protein corresponding to amino acids 29-304 of human tissue factor pathway inhibitor (NP_006278) produced in E. coli

External Database Links

UniProt: P10646 Related reagents

Entrez Gene: 7035 TFPI Related reagents
Synonyms
LACI, TFPI1

Specificity
Mouse anti Human tissue factor pathway inhibitor antibody 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 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
As supplied, 12 months from date of despatch.

Acknowledgements
PrecisionAb is a trademark of Bio-Rad Laboratories.

Health And Safety Information

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)