

## TFPI monoclonal antibody

Catalog # MAB0281

Size 100 ug

### Specification

|                            |                                                                                              |
|----------------------------|----------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Mouse monoclonal antibody raised against synthetic peptide of TFPI.                          |
| <b>Immunogen</b>           | A synthetic peptide corresponding to 16 amino acids at N-terminus of human TFPI.             |
| <b>Sequence</b>            | Asp-Ser-Glu-Glu-Asp-Glu-Glu-His-Thr-Ile-Ile-Thr-Asp-Thr-Glu-Cys                              |
| <b>Host</b>                | Mouse                                                                                        |
| <b>Reactivity</b>          | Human                                                                                        |
| <b>Specificity</b>         | This antibody recognizes human tissue factor pathway inhibitor.                              |
| <b>Form</b>                | Liquid                                                                                       |
| <b>Purity</b>              | > 95% by SDS-PAGE                                                                            |
| <b>Isotype</b>             | IgG                                                                                          |
| <b>Recommend Usage</b>     | Western Blot (5 ug/mL)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | In PBS (50% glycerol)                                                                        |
| <b>Storage Instruction</b> | Store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                           |

### Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay

### Gene Info — TFPI

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Entrez GeneID      | <a href="#">7035</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Name          | TFPI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Alias         | EPI, LACI, TFI, TFPI1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Description   | tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Omim ID            | <a href="#">152310</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Summary       | This gene encodes 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 this gene 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 this gene have been described, but the full-length nature of some of these variants has not been confirmed. [provided by RefSeq] |
| Other Designations | OTTHUMP00000163472 anti-convertin extrinsic pathway inhibitor lipoprotein-associated coagulation inhibitor tissue factor pathway inhibitor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Pathway

- [Complement and coagulation cascades](#)

## Disease

- [Acute Disease](#)
- [Antiphospholipid Syndrome](#)
- [Arterial Occlusive Diseases](#)
- [Atherosclerosis](#)
- [Autistic Disorder](#)
- [Brain Ischemia](#)
- [Cadaver](#)
- [Cardiovascular Diseases](#)

- [Cerebral Infarction](#)
- [Cerebral Palsy](#)
- [Cerebrovascular Accident](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Femur Head Necrosis](#)
- [Genetic Predisposition to Disease](#)
- [Hemorrhage](#)
- [Inflammation](#)
- [Ischemic Attack](#)
- [Postoperative Complications](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Stroke](#)
- [Thromboembolism](#)
- [Thrombophilia](#)
- [Thrombosis](#)
- [Vascular Diseases](#)
- [Venous Thrombosis](#)
- [Werner syndrome](#)