



Rabbit polyclonal antibody against human tissue factor pathway inhibitor (TFPI)

Product No. ADG72

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Description

Tissue factor pathway inhibitor (TFPI) is a plasma proteinase inhibitor synthesized by vascular endothelial cells.

Human TFPI is a modular protein comprised of three Kunitz type inhibitor domains flanked by peptide segments that are less structured.

The K1 domain inhibits factor VIIa complexed to tissue factor (TF) while the K2 domain inhibits Factor Xa. No direct protease inhibiting functions have been demonstrated for the K3 domain. In plasma, TFPI is found both in a free-form (active) and in a lipoprotein-associated form (non-active).

Rabbits were immunized with purified human cell-derived, recombinant human TFPI. Total IgG was purified by Protein A affinity chromatography.

Properties

This antibody reacts with native and recombinant forms of TFPI.

Presentation

Screw capped vial containing 250 µg of purified antibody in PBS pH 7.4, 5 % trehalose. The IgG concentration is 2.5 mg/ml.

Storage and Stability

This antibody can be stored at 2-8 °C for one month without detectable loss of activity. Preservative-free.

The antibody is stable for twelve months from date of receipt when stored at -20 °C to -70 °C. Avoid repeated freeze-thaw cycles.

Sodium acid is recommended to avoid contamination (final concentration 0.05%-0.1%).

Applications

A. Western Blot Analysis

This antibody can be used at 1 - 2 µg/mL with the appropriate secondary reagents to detect human TFPI in Western blot under both reducing and non-reducing conditions.

B. Direct ELISA

This antibody can be used at 1 - 2 µg/mL with the appropriate secondary reagents to detect human TFPI.

References

1. Broze, GJ. et al. 1988, Blood 71: 335-343.
2. Li, A. et al. 1998, Thromb Haemost 80: 423-427.
3. Witt, I. et al. 2002. Hamostaseologie 22: 30-35.
4. Bajaj, MS. et al. 2002. Thromb Haemost 86: 959-972.

Related Products

Monoclonal antibodies against human Tissue Factor, Product Nos. 4503, 4508, 4507 and 4509. Monoclonal antibodies against human TFPI, Product Nos. 4903 and 4904. Product No. 4900PC - TFPI Positive Control. IMUBIND® Total TFPI ELISA, Product No. 849 and ACTICHROME® TFPI chromogenic activity kit Product No. 848.

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