Monoclonal antibody against human TFPI
Product No. ADG4903

Description
The monoclonal antibody ADG4903 (clone 2H8) is a murine monoclonal antibody, subclass IgG1, recognizing human Tissue factor pathway inhibitor (TFPI). Mice were immunized with purified native human tissue factor pathway inhibitor (TFPI, 38 kDa) from cultured HEP G-2 cells. The epitope specificity of this antibody is aa 22-87, within Kunitz domain I of human TFPI which is involved in the TF/FVIIa interaction. This antibody neutralizes human TFPI, see Applications, below.

Presentation
Screw capped vial containing 100 µg of purified antibody in PBS pH 7.4, 0.01 % ProClin. The IgG concentration is 1 mg/ml. Spin the vial briefly before opening.

Storage and Stability
Store the antibody at 2°-8° C. For long-term storage the antibody should be aliquoted and stored at -20° C or colder. It is recommended to avoid freeze-thaw cycles.

Applications
A. Western Blot Analysis: at 5 µg/mL the antibody will detect 50 ng/mL of human TFPI under nonreducing conditions only. (2)

B. Immunohistochemistry: the antibody is suitable for staining of human TFPI in formalin-fixed tissue sections. (3, 4)

C. Flow cytometry: the antibody was used for staining of cells for flow cytometric analysis. (4)

C. Neutralization of human TFPI inhibition (complexed with human FXa, product no. 526): at 5 µg/mL the antibody neutralizes TFPI at 5 ng/mL. The antibody prevents the inhibition of the TF-FVIIa function. (5)

Warnings and Precautions
Contains: Mixture of: 5-Chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-2H-isothiazol-3-one (3:1) and Modified alkyl carboxylate (ProClin ® 300)

Hazard pictograms
Signal word
Warning
Hazard statements
H317 - May cause an allergic skin reaction.

Precautionary statements
P280 - Wear protective gloves.
P302 + P352 - IF ON SKIN: Wash with plenty of water.
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362 - Take off contaminated clothing and wash before reuse.
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

References