

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse TFPI-2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 5% cross-reactivity with recombinant human (rh) TFPI-2, rhTFPI-1, and recombinant mouse TFPI-1 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse TFPI-2 Leu23-Lys211 Accession # O35536
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunoprecipitation	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

TFPI-2 (tissue factor pathway inhibitor-2; also placental protein 5/PP5) is a secreted, presumably 27-34 kDa glycoprotein member of the Kunitz domain-containing proteinase inhibitor family. In mouse, it is principally produced by endothelium, hepatocytes and syncytiotrophoblasts, and serves as an inhibitor of multiple serine proteinases. Mature mouse TFPI-2 is 208 amino acids (aa) in length. It contains three Kunitz inhibitor domains, the most N-terminal of which (aa 36-86) is crucial to inhibitor activity. Over aa 23-211, mouse TFPI-2 shares 86% and 58% aa sequence identity with rat and human TFPI-2, respectively.

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