

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
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Mouse TFPI-2
Immunoprecipitation	25 µg/mL	Conditioned cell culture medium spiked with Recombinant Mouse TFPI-2, see our available Western blot detection antibodies

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.