

Mouse Tissue Factor (TF) ELISA Kit-Sandwich

Cat. No.: EK5F474

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Mouse Tissue Factor (TF) ELISA Kit-Sandwich is designed for the quantitative determination of Mouse TF in serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids using a Sandwich ELISA method. For research use only.

Specifications

Assay Type	ELISA-Sandwich
Specificity	The assay kit is specific for Mouse Tissue Factor (TF).
Target Species	Mouse
Species Reactivity	Mouse
Detection Range	15.7-1000 pg/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 12%
Assay Time	Around 90 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids.

Target Information

Tissue factor (TF) initiates blood coagulation by forming a complex with circulating factor VII or VIIa, which then activates factors IX or X through specific limited proteolysis. TF is integral to normal hemostasis by starting the cell-surface assembly and propagation of the coagulation protease cascade. In mice, TF functions primarily in thrombosis, tumor angiogenesis, and inflammatory response. Beyond its role in coagulation, TF is involved in inflammation. For instance, in a sickle cell disease mouse model, excess heme triggers TF-dependent coagulation activation, leading to organ damage. The expression of TF in macrophages is closely linked to obesity-related chronic inflammation, indicating that TF might contribute to obesity-induced metabolic disorders by regulating macrophage function.

Target/Biomarker	Mouse TF
Target Synonym	CD142; FIII; F3; TFA; Thromboplastin; Coagulation Factor III
Gene ID	14066

Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.