CREATIVE BIOMART®
Assay Kit

TF (Human) Chromogenic Activity Assay Kit

Product Information

Cat.No. Kit-0813

Product Overview

TF (Human) Chromogenic Activity Assay Kit is developed to determine human TF chromogenic activity in plasma, tissue, and cell culture supernatants.

Description

The transmembrane protein Tissue factor (TF) is the physiologic trigger of coagulation in normal hemostasis. TF binds and allosterically activates factor VII (FVII). The TF-FVIIa complex cleaves factor IX and X, leading to thrombin generation. TF markedly enhances the ability of FVIIa to cleave both macromolecule and small peptidyl substrates. Inducible expression of TF in a variety of pathological conditions, including gram-negative sepsis and acute coronary syndromes, is associated with life-threatening thrombosis. In sepsis, TF expression within the vasculature leads to disseminated intravascular coagulation. TF also plays important roles in vasculogenesis, metastasis, and tumor-associated angiogenesis.

Target Species

Human

Usage

For research use only (RUO)

Storage

Store components of the kit at 2-8°C or -20°C upon arrival up to the expiration date.Store Standard, Factor VII protein , Factor X protein, and FXa Substrate at -20°C.Store Microplate, Sample Diluent, and Assay Diluent at 2-8°C.Unused microplate wells may be returned to the foil pouch and resealed. May be stored for up to 30 days in a vacuum desiccator.Opened diluent may be stored for up to 30 days at 2-8°C.

Kit Components

Microplate: A 96-well polystyrene microplate. 96(8x12) wellsSealing Tapes: Pressure-sensitive sealing

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tapes that can be cut to fit the format of the individual assay. 3 slicesSample Diluent 30 mLAssay Diluent 20 mLrhTF Standard (Lipoprotein): Recombinant human TF lipoprotein. 1 vialHuman FVII 1 vialHuman FX 1 vialFxa Substrate 2 vials

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