

TF (Human) Chromogenic Activity Assay Kit

Cat. No. Kit-0813 **Lot. No.** (See product label)

SPECIFICATION

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.

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Kit Components

Microplate: A 96-well polystyrene microplate. 96(8x12) wells
Sealing Tapes: Pressure-sensitive sealing tapes that can be cut to fit the format of the individual assay. 3 slices
Sample Diluent 30 mL
Assay Diluent 20 mL
rhTF Standard (Lipoprotein): Recombinant human TF lipoprotein. 1 vial
Human FVII 1 vial
Human FX 1 vial
Fxa Substrate 2 vials

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