

## 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**

## TF (Human) Chromogenic Activity Assay Kit

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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