CREATIVE BIOMART®
Assay Kit

F10 (Human) Chromogenic Activity Assay Kit

Product Information

Cat.No. Kit-0333

Product Overview

F10 (Human) Chromogenic Activity Assay Kit is developed to determine human F10 activity in plasma and cell culture.

Description

Factor X (FX) is a plasma serine protease zymogen involved in the blood coagulation cascade. FX is purified from plasma as a two-chain protein consisting of a 45-kDa heavy chain and a 17-kDa light chain. The FX heavy chain is cleaved during coagulation by several different proteases including the intrinsic Xase complex, the FX-activating enzyme from Russell's viper venom (RVV) and trypsin, and also by extrinsic (tissue factor/factor VIIa) pathway to give an active enzyme FXa. FXa, as the activator of prothrombin, occupies a central position linking the two blood coagulation pathways.

Target Species

Human

Usage

For research use only (RUO)

Storage

Upon arrival, immediately store components of the kit at recommended temperatures up to the expiration date.Opened diluents may be stored for up to 30 days at 2-8°C.Store reconstituted standard and reagents at -20°C or below and use within 30 days.

Kit Components

Microplate: One 96-well polystyrene microplate. 96 (8x12) wellsSealing Tapes: Pressure-sensitive sealing tapes that can be cut to fit the format of the individual assay. 3 slidesSample Diluent (6x): A six-fold concentrate. 5 mLHuman FX Standard: Lyophilized. 20 μgAssay Diluent (1x): A working solution. 5 mLRVV: 1 vial, lyophilized. 1 vialFXa Substrate: Lyophilized. 2 vialsThe activity assay kit contains sufficient reagents to perform 100 tests using microplate method.

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