CREATIVE BIOMART®
Assay Kit

Plasma Kallikrein Inhibitor Screening Kit (Colorimetric)

Product Information

Cat

Kit-2364

Cat.No. Kit-2364

Product Overview

Plasma Prekallikrein (EC 3.4.21.34), is the glycosylated single chain zymogen precursor of the plasma serine protease Kallikrein (PK). It circulates with kininogen and is activated by Factor XIIa to Kallikrein in the intrinsic coagulation pathway. Kallikrein activates plasminogen in fibrinolysis and cleaves kininogen in the bradykinin system of vasodilation. Prekallikrein deficiency is rare and causes increased activated partial thromboplastin time. Elevated plasma Prekallikrein is associated with diabetes and cardiovascular disease. Plasma Kallikrein inhibitors have been proposed as drugs to manage Hereditary Angioedema.Plasma Kallikrein Inhibitor Screening Kit utilizes the ability of active Plasma Kallikrein to cleave a synthetic pNA-based peptide substrate to release pNA (OD405 nm), which can be easily quantified using a microplate reader. In the presence of a Plasma Kallikrein inhibitor, the cleavage of this substrate is reduced/abolished resulting in decrease or total loss of the pNA absorbance. This simple and high-throughput adaptable assay kit can be used to screen/study/characterize potential inhibitors of Plasma Kallikrein.

Applications

Screening/characterizing/studying Plasma Kallikrein inhibitors/activators

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

CREATIVE BIOMART®
Assay Kit

Plasma Kallikrein Inhibitor Screening Kit (Colorimetric)

PK Assay Buffer; Human PK; PK Substrate; PK Inhibitor (1 mU/µl)

Target Species

Mammalian

Detection method Colorimetric (OD 405 nm)

Features & Benefits

Simple and reliable test to screen Plasma Kallikdrein inhibitors/activators; High-throughput compatible; Includes Inhibitor Control

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