CREATIVE BIOMART®
Assay Kit

Plasma Kallikrein Activity Assay Kit (Colorimetric)

Product Information

Cat

Kit-1085

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Description

Plasma Prekallikrein (EC 3.4.21.34), is the glycosylated single chain zymogen precursor of the plasma serine protease Kallikrein. 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 Activity Assay 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. The Plasma Kallikrein Specific Inhibitor (PKSI) selectively inhibits the ability of Plasma Kallikrein to the cleave the synthetic substrate. The kit is easy-to-use and can detect PK activity of Purified Plasma Kallikrein and Plasma Samples.

Applications

Measurement of Plasma Kallikrein activity in plasma samples and purified/crude enzyme preparations

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 Activity Assay Kit (Colorimetric)

PK Assay Buffer; PK Activator; PK Substrate; Human PK; PKSI Inhibitor; pNA Standard (0.1 M)

Target Species

Mammalians

Detection method Colorimetric (Absorbance 405 nm)

Features & Benefits

Simple, rapid & convenient assay to measure Plasma Kallikrein;
Includes Positive Control and Plasma Kallikrein and Plasma Kallikrein Inhibitors

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