CREATIVE BIOMART®
Assay Kit

Cathepsin E Fluorometric Activity Assay Kit

Product Information

Cat.No. Kit-2145

Product Overview

Cathepsin E Activity Assay Kit utilizes the ability of an active Cathepsin E to cleave a synthetic MCA-based peptide substrate to release free MCA, which can be easily quantified using a fluorometer or fluorescence microplate reader. This assay kit is simple, rapid and can detect Cathepsin E activity as low as 1 mU in biological samples.

Size

100 assays

Description

Cathepsin E (CTSE, EC: 3.4.23.34) is a gastric aspartyl protease that functions as a disulfide-linked homodimer. This protease has a specificity similar to that of pepsin A and cathepsin D. It is an intracellular proteinase that is found in highest concentration on the surface of epithelial mucus-producing cells of the stomach. It is the first aspartic proteinase expressed in the fetal stomach and is found in more than half of gastric cancers.

Applications

Detection of Cathepsin E activity in tissue and cell lysatesDetermine activity of purified Cathepsin E

Storage

Store kit at -20°C, protected from light. Briefly centrifuge small vials at low speed prior to opening. Read entire protocol before performing the assay.CTSE Assay Buffer and Lysis Buffer: Bring to room temperature before use. Store at -20°C.Human Cathepsin E: Reconstitute with 20 µl of de-ionized water. Aliquot and store at -20°C. Avoid repeated freeze/thaw. Use within two months.

Kit Components

CTSE Assay Buffer: 25 mlCTSE Lysis Buffer: 25 mlCTSE Substrate: 0.2 mlHuman Cathepsin E (Positive Control): 1 vialMCA Standard (1 mM): 15 μl

Detection method Fluorescence (Ex/Em = 320/420 nm)

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

Cathepsin E Fluorometric Activity Assay Kit

Compatible Sample Types

• Cell and tissue lysates• Purified Cathepsin E

Features & Benefits

• Rapid & convenient• Detects Cathepsin E activity as low as 1 mU in biological samples

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