CREATIVE BIOMART®
Assay Kit

Cathepsin E Activity Assay Kit (Fluorometric)

Product Information

Cat

Kit-1055

Common Name

Cathepsin E

Cat.No. Kit-1055

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. 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.

Applications

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

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

CTSE Assay Buffer; CTSE Lysis Buffer; CTSE Substrate; Human Cathepsin E (Positive Control); MCA

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Assay Kit

Cathepsin E Activity Assay Kit (Fluorometric)

Standard (1 mM)

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

Features & Benefits

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

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