CREATIVE BIOMART®
Assay Kit

Cathepsin B (CTSB) Inhibitor Screening Kit (Fluorometric)

Product Information

Cat

Kit-2366

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Product Overview

Cathepsin B (CTSB, EC 3.4.22.1) is a lysosomal cysteine proteinase that is suggested to participate in intracellular degradation and turnover of proteins. It has also been implicated in tumor invasion and metastasis. Cathepsin B Inhibitor Screening Kit utilizes the ability of Cathepsin B to cleave the synthetic AFC based peptide substrate to release AFC, which can be easily quantified using a fluorometer or fluorescence microplate reader. In the presence of a Cathepsin B-specific inhibitor, the cleavage of the substrate is reduced/abolished resulting in decrease or total loss of the AFC fluorescence. This simple and high-throughput adaptable assay kit can be used to screen/study/characterize the potential inhibitors of Cathepsin B.

Applications

Screen/study/characterize potential inhibitors of Cathepsin B.

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

CTSB Reaction Buffer; CTSB Reagent; Cathepsin B (human); CTSB Substrate, Ac-RR-AFC (10 mM); CTSB Inhibitor (F-F-FMK, 1 mM)

Detection method Fluorescence (Ex/Em = 400/505 nm)

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Features & Benefits

Simple & convenient;
High-throughput adaptable assay to screen/study/characterize the potential inhibitors of Cathepsin B;
Cathepsin B inhibitor, F-F-FMK is included in the kit

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