

Cathepsin L Inhibitor Screening Kit (Fluorometric)

Product Information

Cat

Kit-2351

Cat.No.

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Product Overview

Cathepsin L (CTSL, EC 3.4.22.15) is a lysosomal cysteine protease that is implicated in protein degradation, arthritis, apoptosis, and cancer. Cathepsin L Inhibitor Screening Kit utilizes the ability of active Cathepsin L 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 L inhibitor, the cleavage of this 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 potential inhibitors of Cathepsin L.

Applications

Screen/study/characterize potential inhibitors of Cathepsin L

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

CTSL Assay Buffer; CTS Reagent; DTT; Cathepsin L (human, 20 mU); CTS Substrate, Ac-FR-AFC (10 mM); CTS Inhibitor (FF-FMK, 1 mM)

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

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Features & Benefits

Convenient & Rapid;

High-throughput adaptable assay to screen/study/characterize the potential inhibitors of Cathepsin L;

Cathepsin L inhibitor, FF-FMK is included in the kit

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