



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

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



CREATIVE **BIOMART**<sup>®</sup>  
Assay Kit

## Cathepsin L Inhibitor Screening Kit (Fluorometric)

### Features & Benefits

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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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