CREATIVE BIOMART®
Assay Kit

# Cathepsin L Inhibitor Screening Kit (Fluorometric)

## Product Information

**Cat**

Kit-2351

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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)

**Features & Benefits**

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

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# Cathepsin L Inhibitor Screening Kit (Fluorometric)

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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