CREATIVE BIOMART®
Assay Kit

Cathepsin S Inhibitor Screening Kit (Fluorometric)

Product Information

Cat

Kit-2353

Cat.No. Kit-2353

Product Overview

Cathepsin S (CTSS, EC 3.4.22.27) is a lysosomal cysteine proteinase that is suggested to participate in the degradation of antigenic proteins to peptides for presentation on MHC class II molecules. Cathepsin S Inhibitor Screening Kit utilizes the ability of Cathepsin S 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 S inhibitor, the cleavage of the substrate is reduced/abolished resulting in decrease or total loss of the AFC fluorescence. This high-throughput adaptable assay kit is simple, sensitive, and rapid tool to screen the potential inhibitors of Cathepsin S.

Applications

Screen/study/characterize potential inhibitors of Cathepsin S.

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

CTSS Reaction Buffer; Cathepsin S (human); CTSS Substrate, Z-VVR-AFC (10 mM); CTSS Inhibitor (Z-FF-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 S;
Cathepsin S inhibitor, Z-FF-FMK is included in the kit

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