Cathepsin B (CTSB) Inhibitor Screening Kit (Fluorometric)

Cat. No. Kit-2366 **Lot. No.** (See product label)

SPECIFICATION

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)
Features & Benefits	Simple & convenient; High-throughput adaptable assay to screen/study/characterize the potential inhibitors

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	of Cathepsin B; Cathepsin B inhibitor, F-F-FMK is included in the kit

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