CREATIVE BIOMART®
Assay Kit

Cathepsin B Activity Fluorometric Assay Kit

Product Information

Cat.No. Kit-0181

Product Overview

A sensitive fluorogenic assay for the measurement of cathepsin B activity (Excitation max: ~360-380 nm; Emission max: ~430-460 nm). Cathepsin B is a cysteine proteinase which has been associated with increased invasivessness and development of the malignant cell phenotype. Cathepsin B has also been implicated in inflammatory airway disease.

Size

1 kit/96 Tests

Usage

The Calbiochem Cathepsin B Activity Assay Kit, Fluorogenic is designed to measure cathepsin B activity in tissues extracts and cell lysates, and for screening cathepsin B inhibitors.Note: Following initial use the control Cathepsin B should be dispensed into aliquots and stored at -20°C. Avoid freeze/thaw cycles

Storage

Storage: Multiple storage requirements Storage Conditions: Store the unopened components at -20°C and -70°C as indicated on the labels. All kit components, once opened, can be stored under the following conditions:Assay Buffer, Cell Lysis Buffer, 96-Well Plate, and Plate Sealers at Room TemperatureCathepsin B Inhibitor, Reduction Reagent, Cathepsin B Substrate, and Calibration Standard at -20°CControl Cathepsin B (aliquot) at -70°CProtect from Light: Protect from light Avoid freeze/thaw: Avoid freeze/thaw Do not freeze: No

Kit Components

Cathepsin B Substrate: 1 vial, 40 µl of Z-Arg-Arg AMC supplied as a 100-fold concentrated solution in DMSOControl Cathepsin B: 1 vial, 20 µl of affinity purified, native cathepsin B, manufactured by EMD BiosciencesCalibration Standard: 1 vial, 100 µl, of 2 mM 7-Amino-4-methylcoumarin (AMC) in DMSO supplied as a 100-fold concentrated solutionCathepsin B Inhibitor: 1 vial, 40 µl of CA-074 provided as a 10-fold concentrated solutionReduction Reagent: 1 vial, 80 µl of 1 M cysteine provided as a

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250-fold concentrated solutionAssay Buffer: 1 bottle, 20 ml of MES buffer, pH 6.0, containing EDTA.Cell Lysis Buffer: 1 bottle, 10 ml of CytoBuster Protein Extraction Reagent96-Well Plate: 1 eachPlate Sealer: 2 each

Detection method Fluorometric

Compatible Sample Types

Cells and tissues

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