CREATIVE BIOMART®
Assay Kit

MMP-3 Activity Fluorometric Assay Kit

Product Information

Cat

Kit-2213

Cat.No. Kit-2213

Product Overview

The matrix metalloproteinase-3 (MMP-3, stromelysin-1) exhibits a number of activities that would make it a particularly good tumor promoter. Like several other MMPs, MMP-3 was first cloned and later recloned as a cancer-specific gene. In addition to degrading numerous extracellular matrix components, MMP-3 can activate gelatinase B, the collagenases and several serpin-type serine proteinase inhibitors. Moreover, it can release a number of cell surface molecules, including E-cadherin, a known contributor to cancer development. In MMP-3 Assay Kit, MMP-3 hydrolyzes a specific FRET substrate to release the quenched fluorescent group Mca, which can be detected fluorometrically at Ex/Em = 325/393 nm. The kit provides a rapid, simple, sensitive and reliable test which can also be used as a high throughput assay of MMP-3 activity. The assay sensitivity is < 50 µU. This kit can be used with our MMP-3 inhibitor, GM6001 as a control. In addition, we also offer a human recombinant MMP-3 enzyme and a MMP-3 inhibitor Screening Kit, separately.

Applications

The assay sensitivity is < 50 µU.

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

MMP-3 Assay Buffer; MMP-3 Substrate; Mca Standard (1mM); MMP-3 Positive Control

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CREATIVE BIOMART®
Assay Kit

MMP-3 Activity Fluorometric Assay Kit

Target Species

Mammalian

Detection method Fluorescence (Ex/Em 325/393 nm)

Features & Benefits

Sensitive assays for measuring MMP-3 in various biological samples

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