CREATIVE BIOMART®
Assay Kit

MMP-3 Activity Assay Kit

Product Information

Cat.No. Kit-0588

Product Overview

The assay sensitivity is< 50 μU. (100 assays) Simple procedure; takes ~ 60 minutes;Fast and convenient;Sensitive assays for measuring MMP-3 in various biological samples.

Size

100 assays

Description

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.

Applications

The assay sensitivity is< 50 μU.

Target Species

Mammalian

Usage

This product is furnished for LABORATORY RESEARCH USE ONLY. Not for diagnostic or therapeutic use.

Kit Components

MMP-3 Assay BufferMMP-3 SubstrateMca Standard (1mM)MMP-3 Positive Control

Detection method Fluorometer

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Compatible Sample Types

Cell Culture SupernatantsPlasmaSerumUrine

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