

## MMP-3 Activity Assay Kit

### Product Information

#### Cat.No.

Kit-0588

#### Product Overview

The assay sensitivity is < 50  $\mu$ U. (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 re-cloned 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  $\mu$ U.

#### Applications

The assay sensitivity is < 50  $\mu$ U.

#### Target Species

Mammalian

#### Usage

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

#### Kit Components

## MMP-3 Activity Assay Kit

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

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**Detection method** Fluorometer

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**Compatible Sample Types**

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Cell Culture Supernatants Plasma Serum Urine

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