

## MMP-3 Activity Fluorometric Assay Kit

**Cat. No.** Kit-2213    **Lot. No.** (See product label)

### SPECIFICATION

#### 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  $\mu$ . 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  $\mu$ .

#### 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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|                                |                                                                    |
|--------------------------------|--------------------------------------------------------------------|
| <b>Target Species</b>          | Mammalian                                                          |
| <b>Detection method</b>        | Fluorescence (Ex/Em 325/393 nm)                                    |
| <b>Features &amp; Benefits</b> | Sensitive assays for measuring MMP-3 in various biological samples |

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