

MMP-3 Activity Assay Kit

Cat. No. Kit-0588 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The assay sensitivity is < 50 μ l. (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 μ l.
Applications	The assay sensitivity is < 50 μ l.
Target Species	Mammalian
Usage	This product is furnished for LABORATORY RESEARCH USE ONLY. Not for diagnostic or therapeutic use.

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Kit Components	MMP-3 Assay BufferMMP-3 SubstrateMca Standard (1mM)MMP-3 Positive Control
Detection method	Fluorometer
Compatible Sample Types	Cell Culture SupernatantsPlasmaSerumUrine

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