CREATIVE BIOMART®
Assay Kit

MMP-9 Inhibitor Screening Kit (Fluorometric)

Product Information

Cat

Kit-2322

Cat.No. Kit-2322

Product Overview

Matrix metalloproteinase (MMP) family proteins are involved in the breakdown of extracellular matrix, and have been recognized as potential targets for a variety of pathologies. Matrix metallopeptidase 9 (MMP-9), also known as 92 kDa type IV collagenase, 92 kDa gelatinase or gelatinase B, is the mostly studied MMP, due to its fundamental roles in cancer biology, autoimmune disease, and other conditions.MMP-9 is a metalloenzyme, composed of a pro-domain, a gelatin binding domain, a catalytic domain, a proline rich linker region, and a carboxyl terminal hemopexin like domain. This enzyme degrades various substrates including gelatin, collagen types IV / V, and elastin. MMP-9 Inhibitor Screening Kit provides a quick and sensitive way for screening, studying and characterizing potential inhibitors of MMP-9. In this assay, MMP-9 hydrolyzes a FRET-based MMP-9 substrate and releases the quenched fluorescent group Mca, which can be detected fluorometrically at Ex/Em=325/393 nm.

Applications

Screening/studying/characterizing potential MMP-9 inhibitors

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

MMP-9 Assay Buffer; MMP-9 Substrate (2 mM); MMP-9 (lyophilized); Inhibitor (NNGH 1 mM)

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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

Features & Benefits

Fluorometric detection.

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