CREATIVE BIOMART®
Assay Kit

TACE Inhibitor Screening Kit

Product Information

Cat.No. Kit-0810

Product Overview

In TACE inhibitor screening Kit, TACE (tumor necrosis factor-a-converting enzyme) hydrolyzes the specific FRET substrate to release the quenched fluorescent group, which can be detected fluorometrically at Ex/Em318/449 nm. In the presence of the potent TACE inhibitor, the hydrolyzation of substrate will be impeded. The kit provides a rapid, simple, sensitive and reliable test suitable for high-throughput screening of TACE inhibitors and can be modified to check the relative TACE activity. Inhibitor Control GM6001 is included to compare the efficacy of test inhibitors.

Size

100 tests

Description

The TACE (tumor necrosis factor-a-converting enzyme), also called ADAM metallopeptidase domain 17 (ADAM17), is a 70-kDa enzyme that belongs to the ADAM protein family of disintegrins and metalloproteases. TACE is believed to be involved in the processing of tumor necrosis factor alpha (TNF-a) at the surface of the cell, and from within the intracellular membranes of the trans-Golgi network. This process, which is also known as shedding, involves the cleavage and release of a soluble ectodomain from membrane-bound pro-proteins (such as pro-TNF-a), and is of known physiological importance.

Applications

Functional Studies more details

Storage

Store at -20°C.

Kit Components

Components: Identifier; TACE Assay Buffer: WM; TACE Enzyme: Green; TACE Inhibitor Control: Purple; TACE Substrate: Red

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Assay time

0h 20m

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