

# TACE Inhibitor Screening Kit

## Product Information

### Cat.No.

Kit-0810

### Product Overview

In TACE inhibitor screening Kit, TACE (tumor necrosis factor- $\alpha$ -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- $\alpha$ -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- $\alpha$ ) 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- $\alpha$ ), 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 Inhibitor Screening Kit

TACE Substrate: Red

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**Assay time**

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0h 20m

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Tel: 1-631-559-9269 1-516-512-3133

Fax: 1-631-938-8127

Email: [info@creative-biomart.org](mailto:info@creative-biomart.org)

45-1 Ramsey Road, Shirley, NY 11967, USA