

## Beta-Secretase Activity Assay Kit II

### Product Information

#### Cat.No.

Kit-0863

#### Product Overview

Simple procedure; takes ~ 1 hour. Fast and convenient The assay is sensitive, stable and high-throughput adaptable.

#### Size

100 assays

#### Description

&beta;-Secretase has been implicated to be an excellent target for anti-amyloid therapy for the treatment of Alzheimer's disease. The &beta;-Secretase activity Assay Kit provides a convenient fluorescence method for detecting &beta;-secretase activity in biological and purified samples. The assay utilizes a secretase-specific peptide conjugated to two reporter molecules EDANS and DABCYL. In the uncleaved form, the fluorescent emissions from EDANS are quenched by the physical proximity of the DABCYL moiety. Cleavage of the peptide by secretase physically separates EDANS and DABCYL allowing for the release of a fluorescent signal. The level of secretase enzymatic activity in samples is proportional to the level of fluorescence intensity.

#### Applications

Convenient fluorescence method for detecting &beta;-secretase activity in biological and purified samples

#### Target Species

Mammalian

#### Usage

For Research Use Only! Not For Use in Humans.

#### Storage

-20°C

## Beta-Secretase Activity Assay Kit II

### Kit Components

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•  $\beta$ -Secretase Extraction Buffer •  $\beta$ -Secretase Reaction Buffer (2X) •  $\beta$ -Secretase Substrate (in DMSO) • Active  $\beta$ -Secretase (Lyophilized) •  $\beta$ -Secretase Inhibitor (in DMSO)

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**Detection method** Fluorescence (Ex/Em 335-355/495-510 nm)

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### Compatible Sample Types

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Cell and Tissue lysates, culture media, urine, plasma and serum, as well as many other biological fluids

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