CREATIVE BIOMART®
Assay Kit

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

β-Secretase has been implicated to be an excellent target for anti-amyloid therapy for the treatment of Alzheimer''s disease. The β-Secretase activity Assay Kit provides a convenient fluorescence method for detecting β-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 β-secretase activity in biological and purified samples

Target Species

Mammalian

Usage

For Research Use Only! Not For Use in Humans.

Storage

-20°C

Kit Components

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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Assay Kit

Beta-Secretase Activity Assay Kit II

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

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

Compatible Sample Types

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

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