Beta-Secretase Activity Assay Kit II

Cat. No. Kit-0863 **Lot. No.** (See product label)

SPECIFICATION

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	•

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	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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