

Caspase-2 Inhibitor Drug Screening Kit (Fluorometric)

Cat. No. Kit-2334 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	<p>Caspases have been shown to play a crucial role in apoptosis induced by various deleterious and physiologic stimuli. Inhibition of caspases can delay apoptosis, implicating a potential role in drug screening efforts. The Caspase-2 Inhibitor Drug Screening Kit provides an effective means for screening caspase inhibitors using fluorometric methods. The assay utilizes synthetic peptide substrate VDVAD-AFC (AFC, 7-amino-4-trifluoromethyl coumarin). Active caspase-2 cleaves the synthetic substrate to release free AFC which can then be quantified by fluorometry.</p> <p>Compounds to be screened can directly be added to the reaction and the level of inhibition of caspase-2 activity can be determined by comparison of the fluorescence intensity in samples with and without the testing inhibitors.</p>
Applications	Effective means for screening caspase inhibitors using fluorometric methods.
Storage	-20°C
Shipping	Gel Pack
Size	100 assays
Kit Components	2X Reaction Buffer; Caspase Substrate VDVAD-AFC (1 mM); DTT (1 M); Active Caspase-2 (Lyophilized); Caspase Inhibitor, Z-VAD-FMK (2 mM)
Target Species	Mammalian
Detection method	Fluorescence (Ex/Em 400/505 nm)

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Features & Benefits

Simple one-step procedure; takes only 1-1.5 hours;

Fast and convenient;

Inhibition of caspase-2 activity can be determined by comparison of the fluorescence intensity in samples with and without the testing inhibitors.

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