

Product datasheet

Generic Caspase Activity Assay Kit (Fluorometric - Red) ab112131

1 Image

Overview

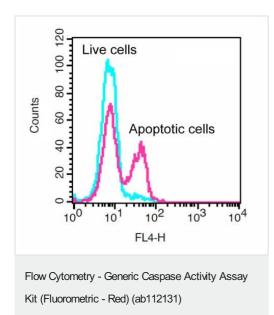
Product name	Generic Caspase Activity Assay Kit (Fluorometric - Red)		
Detection method	Fluorescent		
Sample type	Adherent cells, Suspension cells		
Assay type	Enzyme activity (quantitative)		
Species reactivity	Reacts with: Mammals, Other species		
Product overview	Abcam Activity Assay kits are a set of tools for more caspase is widely accepted as a reliable indicator substrate selectivity for the peptide sequence Val-A	for cell apoptosis. Most caspases have	
	ab112131 is designed to monitor cell apoptosis th 1, -3, -4, -5, -6, -7, -8 and -9) activation in live cells Most caspases have substrate selectivity for the per permeable and nontoxic TF5-VAD-FMK irreversibl 7, -8 and -9 in apoptotic cells. Once bound to casp the cell. The binding event prevents the caspases for apoptosis from proceeding.	with our red fluorescent TF5-VAD-FMK probe. eptide sequence Val-Ala-Asp (VAD). The cell y binds to activated casepase-1, -3, -4, -5, -6, - ases, the fluorescent reagent is retained inside	
light sources and filters Ex/Em = ~647/66 activated caspases in apoptotic cells by a		non fluorescence instruments equipped with the e red label allows for direct detection of ometer. It can be used for the quantification of ls, or for the screening of caspases inhibitors.	
	Visit our FAQs page for tips and troubleshooting.		
Platform	Flow cytometer		
Properties			
Storage instructions	Store at -20°C. Please refer to protocols.		
Components		100 tests	

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500 X TF5-VAD-FMK		1 x 100µl
Assay Buffer		1 x 50ml
Relevance Caspases are members of the cysteine-aspartic acid protease (caspase) family. Sequential		

Caspases are members of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce 2 subunits, large and small, that dimerize to form the active enzyme.

Cellular localization Cytoplasmic

Images



Jurkat cells were untreated (Blue) or with 20 μ M camptothecin (Pink) in a 37°C, 5% CO₂ incubator for 4-5 hours, and then dye loaded with TF5-VAD-FMK for 1 hour.

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