CASP9 Apoptosis Kit (Green Fluorescence)

Catalog # KA4146 Size 1 Kit

Applications

Result Data

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Detection of Caspase 9 Activities in Jurkat cells. Jurkat cells were seeded at 200,000 cells/90 uL/well in a Costar black wall/clear bottom 96-well plate. The cells were treated with 10 mM adenosine for 48 hours while the untreated cells were used as control. The caspase 9 Substrate working solution (100 uL/well) was added and incubated at room temperature for 1 hour. The fluorescence intensity was measured at Ex/Em = 490/525 nm with a FlexStation microplate reader. (Molecular Devices).

Specification

Product Description	CASP9 Apoptosis Kit (Green Fluorescence) is a fluorescent assay used to monitor cell apoptosis.
Suitable Sample	Cells
Detection Method	Fluorometric
Excitation (Max)	490 nm
Emission (Max)	525 nm
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at -20°C and avoid from light.
Note	Result Data Result Data Detection of Caspase 9 Activities in Jurkat cells. Jurkat cells were seeded at 200,000 cells/90 uL/well in a Costar black wall/clear bottom 96-well plate. The cells were treated with 10 mM adenosine for 48 hours while the untreated cells were used as control. The caspase 9 Substrate working solution (100 uL/well) was added and incubated at room temperature for 1 hour. The fluorescence intensity was measured at Ex/Em = 490/525 nm with a FlexStation microplate reader. (Molecular Devices).

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Applications

- Functional Study

Publication Reference

- The direct impact of pegvisomant on osteoblast functions and bone development.

  E Vitali, A Grasso, M L Schiavone, G Trivellin, C Sobacchi, M Mione, G Mazziotti, A Lania

  J Endocrinol Invest 2024 6; 47(6):1385-1394.

- Direct effects of octreotide on osteoblast cell proliferation and function.

  E Vitali, E Palagano, M L Schiavone, G Mantovani, C Sobacchi, G Mazziotti, A Lania

  J Endocrinol Invest 2022 5; 45(5):1045-1057.

- Direct effects of octreotide on osteoblast cell proliferation and function.

  E Vitali, E Palagano, M L Schiavone, G Mantovani, C Sobacchi, G Mazziotti, A Lania.

  Journal of Endocrinological Investigation 2022 May; 45(5):1045.

  Application: Func, Mouse, MC3T3-E1 cells

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