



Annexin V- KITS

Offerta speciale!!!

Description:

Immunological Science's Annexin V-FITC allows for fluorescent detection of Annexin V bound to apoptotic cells and quantitative determination by flow cytometry. The process needs only a 15-minutes incubation procedure.

Annexin V has a high affinity in a Ca²⁺-dependent manner to negatively charged phospholipid phosphatidylserine, which is found on the outer cell membrane early during apoptosis. The Annexin V-FITC employs FITC conjugated Annexin V in concert with propidium iodide (PI). As the cell membrane becomes increasingly permeable during the later stage of apoptosis, propidium iodide can readily move across the cell membrane and bind to DNA. This combination allows the differentiation among 3 populations of cells in two-color flow cytometry:

- Normal cells: Annexin V negative and PI negative;
 - Early apoptotic cells: Annexin V positive and PI negative;
 - Necrotic cells or late apoptotic cells: Annexin V and PI positive
- Alternatively, the cell can be examined with a fluorescence microscope equipped with FITC and rhodamine filter sets.

Highlights:

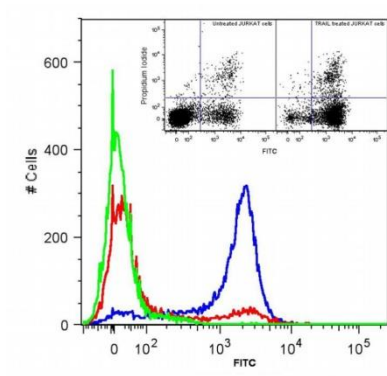
Detects apoptosis earlier in the process than DNA-based assays such as TUNEL.

Alternatively, the cell can be examined with a fluorescence microscope equipped with FITC and rhodamine filter sets.

No cell fixation or processing required, reducing the detection time and allowing the cells to be used for further study.

Propidium iodide secondary dye differentiate apoptotic cells from viable and necrotic cells.

Annexin V- Kits			
Code	Description	Size	Price
IK-90314	Annexin V(PI)-FITC	100 tests	€ 250,00
IK-90315	Annexin V (7-AAD)-FITC	100 tests	€ 270,00
IK-11150	Annexin V(PI)-APC	100 tests	€ 250,00
IK-90316	Annexin V (7-AAD)-APC	100 tests	€ 270,00
IK-11153	Annexin V(PI)-PE	100 tests	€ 280,00
IK-90317	Annexin V(7-AAD)-PE	100 tests	€ 310,00



- JURKAT cells (human T cell leukemia) were treated with 200 ng/ml TRAIL/Apo2L (bacterially expressed extracellular domain of human TRAIL, corresponding to amino acids 95-281) for 6 hours or left untreated. Detection of apoptotic cells was performed by flow cytometry using Apoptosis Assay Kit (Cat. No. IK-90314).

Green line untreated and unstained cells.

Red line untreated and stained cells.

Blue line TRAIL-treated and stained cells.

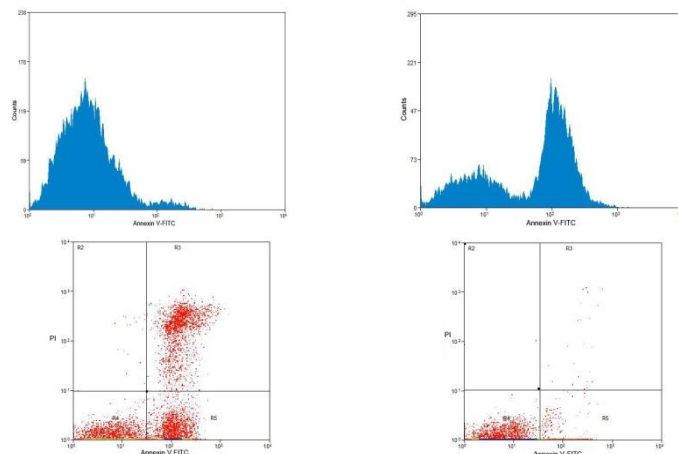


Figure legend

Jurkat cells were left untreated (left panels) or treated with 0.5 μM staurosporine (right panels) at 37°C for 4 hours.

Cells were incubated with Annexin V-FITC & PI in binding buffer and analyzed by flow cytometry.

The X & Y-axis reflect log Annexin V-FITC and PI fluorescence, respectively.

Untreated cells (left panels) appeared in quadrant 3, indicating they were viable

After treated with staurosporine (right panels), the cells appeared in quadrant 2, 3 and 4, indicating they were in late stage apoptosis or dead (Annexin V-FITC & PI positive), viable (Annexin V-FITC & PI negative) or undergoing apoptosis (Annexin V-FITC positive and PI negative), respectively.

Condizioni di vendita:

- Prezzi: al netto dell'IVA

Cod. Offerta: AN-2024

Validità dell'offerta: fino al 31/12/2024

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