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Annexin V Apoptosis detection Kit

Fluorochrome	Reference	Size
FITC	ANXVKF-100T	100 test
FITC	ANXVKF7-100T	100 test
PE	ANXVKPE-100T	100 test
Dy634	ANXVKDY-100T	100 test
Biotin	ANXVKB-100T	100 test
CF-Blue	ANXVKCFB-100T	100 test
CF-Blue	ANXVKCFB7-100T	100 test

PRODUCT DESCRIPTION

Tested application: flow cytometry

Species reactivity: All mammalian

Storage buffer: aqueous buffered solution containing protein stabilizer and 0.09% sodium azide (NaN₃).

Recommended usage: Immunostep's Annexin V, is intended for the identification and enumeration of apoptotic cells. This reagent is effective for direct immunofluorescence staining for flow cytometric analysis using $\leq 1 \mu\text{g}/10^5$ cells in 100 μl volume of Annexin V Binding Buffer.

Presentation: liquid

Reagent provided: 100 test (5 μl /test)

Reference	Excitation laser Line (nm)	Max. Excitation peak (nm)	Max. Emission peak (nm)	Recommended Band Pass Filter (nm)
ANXVF-200T	488 Blue Laser	495	519	530/30
ANXVPE-200T	488,532,561 Blue Laser	496/564	578	585/42
ANXVDY-200T	595,633,635, 640,647 Red Laser	635	658	660/20
ANXVCFB-200T	405 Violet Laser	405	450	450/50
7-AAD	488,532,561 Blue Laser	546	647	660/20
PI	488,532,561 Blue Laser	351	617	585/42

ANTIGEN DETAILS

Large description: Apoptosis is characterized by a variety of morphological features. One of the earliest indications of apoptosis is the translocation of the membrane phospholipid phosphatidylserine (PS) from the inner to the outer leaflet of the plasma membrane. Once exposed to the extracellular environment, binding sites on PS become available for Annexin V, Ca²⁺-dependent, phospholipid binding protein with a high affinity for PS. The translocation of PS precedes other apoptotic processes such as loss of plasma membrane integrity, DNA fragmentation, and chromatin condensation. As such, Annexin V can be conjugated to biotin or to a fluorochrome, and used for the easy, flow cytometric identification of cells in the early stages of apoptosis.⁽¹⁻⁷⁾

Other Names: Annexin A5

Gene ID: 308

Molecular weight: 35,9 kDa

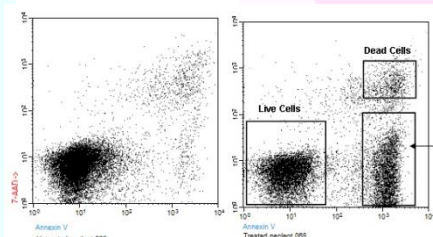


Figure 1. Jurkat cells (T-cell leukemia, human) treated with 6 μM camptothecin for four hours (right panel) or untreated (left panel).

Please, refer to <http://immunostep.com/content/31-support> for technical information.

WARRANTY

Warranted only to conform to the quantity and contents stated on the label or in the product labelling at the time of delivery to the customer. Immunostep disclaims hereby other warranties. Immunostep's sole liability is limited to either the replacement of the products or refund of the purchase price.

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