

Annexin V-Biotin Apoptosis Kit

Cat. No. Kit-2368 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The Annexin V-Biotin Apoptosis Detection Kit is based on the observation that soon after initiating apoptosis, most cell types translocate the membrane phospholipid phosphatidylserine (PS) from the inner face of the plasma membrane to the cell surface. Once on the cell surface, PS can easily bind to Biotin-conjugated Annexin V, a protein that has a strong natural affinity for PS. Annexin V-Biotin can be detected in conjunction with conventional dye-staining using any streptavidine- or avidin-dye reagents, such as (strept)avidine-fluorescein, -peroxidase, -alkaline phosphatase (AP), and - β -gal, etc.
Applications	Detect early/middle stages of apoptosis; differentiate apoptosis from necrosis.
Storage	4°C
Shipping	Gel Pack
Kit Components	Annexin V-Biotin; 1X Binding Buffer; Propidium Iodide (PI)
Target Species	Mammalian
Detection method	Flow cytometry (Ex = 488 nm; Em = 530 nm) using and fluorescence microscopy
Features & Benefits	Simple one step staining procedure in 30 minutes; Fast and convenient; Annexin V-Biotin can be detected in conjunction with conventional dye-staining using any streptavidine- or avidin-dye reagents, such as (strept)avidine-fluorescein, -peroxidase, -alkaline phosphatase (AP), and - β -gal, etc.

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