CREATIVE BIOMART®
Assay Kit

Annexin V-EGFP Apoptosis Kit

Product Information

Cat

Kit-2375

Cat.No. Kit-2375

Product Overview

The Annexin V-EGFP 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 be easily detected by staining with an enhanced green fluorescent protein (EGFP) fusion of annexin V, a protein that has a strong natural affinity for PS. The one-step staining procedure takes only 10 minutes. In addition, the assay can be directly performed on; Live cells. Detection can be analyzed by flow cytometry or by fluorescence microscopy with a FITC filter. EGFP is brighter and more photo-stable than other fluorescent reagents. The kit can differentiate apoptosis vs necrosis when performing both annexin V-EGFP and PI staining.

Applications

Detect early/middle stages of apoptosis; differentiate apoptosis from necrosis.

Storage

4°C

Shipping

Gel Pack

Kit Components

Annexin V-EGFP; 1X Binding Buffer; Propidium Iodide (PI)

Target Species

Mammalian

Detection method Flow cytometry (Ex = 488 nm; Em = 530 nm)and fluorescence microscopy

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Features & Benefits

Simple one step staining procedure in 10 minutes; Fast and convenient; EGFP is a bright and photo-stable green fluorescent protein and the kit can differentiate apoptosis vs necrosis when performing both annexin V-EGFP and PI staining

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