

CHAMOT

Annexin V-iFluor 488/PI Apoptosis Detection Reagent

CM001-50D

CM001-100D



CHAMOT

乔默®生物

Specialize In Cytokines



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Annexin V-iFluor 488/PI Apoptosis Detection Reagent

Catalog#	CM001-50D	CM001-100D
Size	50 rxn	100 rxn

Product Specifications

Background

Apoptosis is a gradually orchestrated process of biochemical reactions of a cell from an organism. It can be triggered by many stimuli, including infection, hypoxia, ischemia, nutrient removal, toxins, heat, radiation, drugs, chemicals, and disease. Consequently, these stresses alter the morphology of a cell, including cell shrinkage, nuclear and cytoplasmic condensation, chromatin fragmentation, membrane blebbing, and apoptotic body formation. CHAMOT fluorescent dye (iFluor 488) conjugated Annexin V is highly purified product. During early apoptosis, cells will translocate membrane phosphatidylserine (PS) from the inner face of the membrane to the cell surface. Propidium iodide (PI) is a common fluorescent dye to detect DNA. It can be used in flow cytometry to evaluate the cell cycle and cell viability during apoptosis. The product can be used in one-step staining procedure without wash step within 20 minutes.

Product Note

Components	CM001-50D	CM001-100D
Annexin V-iFluor 488	1 × 0.25 mL	1 × 0.5 mL
PI Solution	1 × 0.25 mL	1 × 0.5 mL
10×Binding Buffer	2 × 2 mL	3 × 2 mL

Procedure

- (1) Collect $1-5 \times 10^5$ cells in the flow tube by centrifugation.
- (2) Wash cells in 2 mL cold phosphate-buffered saline (PBS) and collect by centrifugation.
- (3) Re-suspend cell in 500 μ L of 1X Binding Buffer.
- (4) Add 5 μ L of Annexin V-iFluor 488 and 5 μ L of PI, and gently mix the cells and incubate for 15-20 minutes at RT in the dark.

(5) After incubation, the samples should be kept on ice and perform flow cytometry using filters appropriated for fluorescein (FITC, corresponding to Annexin V-iFluor 488)

Storage/Shipping

Stability & Storage

2-8°C for 12 months under sterile conditions from date of receipt.

Shipping

Blue Ice

文献引用

- Effect of Metformin Nanoparticle-Mediated Thioredoxin Interacting Protein Expression on Oxaliplatin-Induced Peripheral Neuralgia. *J Nanosci Nanotechnol*. 2020 Oct 1;20(10):6123-6132.
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- MiR-934 Exacerbates Malignancy of Gastric Cancer Cells by Targeting ZFP36. Iran J Public Health. 2023;52(8):1720-1729.
- A Dihydroartemisinin-Loaded Nanoreactor Motivates Anti-Cancer Immunotherapy by Synergy-Induced Ferroptosis to Activate Cgas/STING for Reprogramming of Macrophage .Adv Healthc Mater. 2023 Aug 11;e2301561.

For Research Use or Further Manufacturing Only

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