

Product Datasheet

Vazyme - Annexin V - FITC/PI Apoptosis Detection Kit (A211-02)

Catalog Number A211-02

Category Tools

Description Annexin V is labeled with green fluorescent FITC, and the labeled Annexin V

fluorescence microscopy or flow cytometry. Since PS eversion occurs in the early stage of apoptosis, Annexin V-FITC staining can identify the occurrence of apoptosis in the early stage of apoptosis. Propidium Iodide (PI) is a nucleic acid dye. PI cannot penetrate the intact cell membrane of normal cells or early apoptotic cells, but can penetrate the cell membrane of membrane-damaged cells such as late apoptotic cells or necrotic cells, and bind to their DNA, causing their nuclei to become red. It can be used to distinguish early apoptotic cells

retains a high affinity for PS and can be used as a probe to detect apoptosis by

FITC with PI, cells in different apoptotic stages can be distinguished. On the scattergram of dual-color flow cytometry, Annexin V-FITC and PI double negative are normal cells, Annexin V-FITC positive and PI negative are early apoptotic cells, and Annexin V-FITC and PI double positive cells are late apoptotic cells or

from late apoptotic cells or necrotic cells. Therefore, by co-staining Annexin V-

necrotic cells.

Application notes Double label: Annexin V-FITC and PI; distinguish cells at different stages of

apoptosis (early / late apoptotic) Additional features: Red fluorescent label for easy co-labeling with other green fluorescents such as GFP High binding efficiency: Annexin V conjugates have higher binding efficiency and extremely

accurate characterization of the apoptotic process

Storage Store at $2 \sim 8^{\circ}$ C and protect Annexin V-FITC and PI Staining Solution from light.

If not in use for a long time, store Annexin V-FITC at -30 \sim -15°C to avoid repeated freezing and thawing. Adjust the shipping method according to the

destination.

Background Only available for the UK and Republic of Ireland

Note For research use only

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