

Annexin V Hapten Conjugate

Annexin V-APC Reagent

CATALOG #
AAA174678

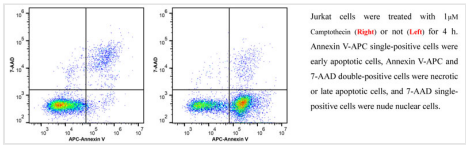
PRODUCT SYNONYMS

Annexin V; Annexin V-APC Reagent; Annexin V hapten conjugate

PRODUCT SPECIFICATIONS

Related Products	Annexin V-FITC Reagent Annexin V-AF647 Reagent Annexin V-APC Reagent Annexin V-EGFP Reagent Annexin V Binding Buffer(10 ×) Propidium Iodide (PI) Staining Solution 7-AAD Viability Staining Solution Annexin V-FITC / PI Apoptosis Detection Kit Annexin V-FITC / 7-AAD Apoptosis Detection Kit Annexin V-AF647 / PI Apoptosis Detection Kit Annexin V-AF647 / 7-AAD Apoptosis Detection Kit Annexin V-PE / 7-AAD Apoptosis Detection Kit Annexin V-APC / PI Apoptosis Detection Kit Annexin V-APC / 7-AAD Apoptosis Detection Kit Annexin V-EGFP / PI Apoptosis Detection Kit Annexin V-EGFP / 7-AAD Apoptosis Detection Kit
Staining Procedure	1. Induce apoptosis of suspension cells with reagents of interest. Collect cell cultures and centrifuge at 300 g for 5 min, discard the supernatant. Add appropriate PBS to wash the cells, resuspend gently and count the cells. Note: This product is only validated in suspension cells. Good cell viability is the key to the experiment. When the adherent cells are used for apoptotic detection, treatments like digestion may increase the ratio of necrotic or apoptotic cells and cause uncontrollable effects on the experimental results. Please be aware! 2. Split the cell suspension into tubes, $1-5 \times 10^5$ cells for each. Centrifuge at 300 g for 5 min, discard the supernatant. Add appropriate PBS to wash the cells and discard the supernatant. Add 500 μL of $1 \times$ Annexin V Binding Buffer to resuspend the cells. 3. Add 5 μL of Annexin V-APC and 5 μL of DNA dye (PI or 7-AAD to each tube. 4. Gently vortex the cells and incubate at room temperature for 15-20 min in the dark. 5. Analyze the cells immediately with proper machine settings. Otherwise, place the cells on ice in the dark and analyze within 1 h.
Cautions	1. For maximal assay performance, this reagent should be used within 12 months. Avoid freeze / thaw cycles. 2. Detect apoptosis as soon as possible after staining to avoid the increase number of apoptosis or necrosis. 3. Avoid extended exposure of the samples to direct light to protect the fluorophores from quenching. 4. For your safety and health, please wear the lab coat and disposable gloves before the experiments.
Preparation and Storage	Store at 2-8°C for one year in dark.

IMAGES



Application Data
Jurkat cells were treated with 1uM Camptothecin and detected by this reagent and 7-AAD.

ADDITIONAL INFORMATION

Related Product Information for Annexin V hapten conjugate	Annexin V-APC is developed to identify apoptotic and necrotic cells. Annexin V is a member of the annexin family, which binds to phosphatidylserine (PS) in a calcium-dependent manner. Annexin V-APC, the APC-conjugated format, binds specifically to the PS on the outer leaflet apoptotic cell membrane and can be detected with flow cytometry or fluorescence microscopy. Cells at different apoptotic stages can be distinguished by using Annexin V and membrane impermeable DNA dyes like Propidium Iodide (PI), 7-AAD and DAPI.
Product Categories/Family for Annexin V hapten conjugate	Apoptosis Detection Kit

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hapten-conjugate/annexin-v/174678>