



CERTIFICATE OF ANALYSIS

PRODUCT: Annexin V (human) (recombinant) (APC)
M.W.: ~ 35.8 kDa

PRODUCT NUMBER: A-1086

LOT NUMBER: A8658

FILL VOLUME: 500 μ l (sufficient for 100 Tests)

FORMULATION: Liquid. In 50mM TRIS, pH 7.4, containing 100mM sodium chloride, 1% BSA and 0.02% sodium azide.

SPECIFICITY: Binds to phosphatidylserine (PS).

PURITY: >98% (by SDS PAGE, HPLC)

APPLICATION: Detection of apoptotic cells by Flow Cytometry.

APPLICATION NOTES: Flow Cytometry Protocol:
-Prepare binding buffer (10mM HEPES/NaOH, pH 7.4, 140mM NaCl, 2.5mM CaCl₂; filtered through 0.2 μ m pour filter.

-Brief centrifugation before use is recommended.
-Wash cells in PBS by gently shaking or pipetting up and down.

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- Resuspend cells in binding buffer; adjust cell density to $2-5 \times 10^5$ /ml
- Take 195 μ l cell suspension and add 5 μ l Annexin V-FITC
- Mix and incubate 10 min. in the dark at room temperature.
- Wash cells 1x with PBS and resuspend in 190 μ l binding buffer
- FACS analysis.

PRODUCT DESCRIPTION: APC-labeled recombinant human annexin V (produced in *E. coli*) is suitable for dual staining experiments to detect phosphatidylserine whilst cell-surface protein can be detected with a suitable MAb (FITC-labeled or labeled secondary antibody). The fluorochrome APC (allophycocyanin) shows far red fluorescence (Ex(max): 650nm; Em(max): 660nm)

STORAGE & HANDLING: Store as supplied at +4°C.

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified:

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