

Datasheet for ABIN2669212

FITC Annexin V Apoptosis Detection Kit with 7-AAD**2** Images[Go to Product page](#)

Overview

Quantity:	100 tests
Target:	Annexin V (ANXA5)
Reactivity:	Mammalian
Conjugate:	FITC
Application:	Multiplex Assay (MA)

Product Details

Characteristics:	<p>FITC Annexin V Apoptosis Detection Kit with 7-AAD has been specifically designed for the identification of apoptotic and necrotic cells. Annexin V (or Annexin A5) is a member of the annexin family of intracellular proteins that binds to phosphatidylserine (PS) in a calcium-dependent manner. PS is normally only found on the intracellular leaflet of the plasma membrane in healthy cells, but during early apoptosis, membrane asymmetry is lost and PS translocates to the external leaflet. Fluorochrome-labeled Annexin V can then be used to specifically target and identify apoptotic cells. Annexin V Binding Buffer is recommended for use with Annexin V staining. Annexin V binding alone cannot differentiate between apoptotic and necrotic cells. To help distinguish between the necrotic and apoptotic cells we recommend use of our 7-amino-actinomycin D (7-AAD) solution. Early apoptotic cells will exclude 7-AAD, while late stage apoptotic cells will stain positively, due to the passage of these dyes into the nucleus where they bind to DNA. 7-AAD (7-amino-actinomycin D) has a high DNA binding constant and is efficiently excluded by intact cells. It is useful for DNA analysis and dead cell discrimination during flow cytometric analysis. When excited by 488 laser light, 7-AAD fluorescence is detected in the far red range of the spectrum (650 nm long-pass filter).</p>
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Components:	FITC Annexin V Apoptosis Detection Kit with 7-AAD
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Target Details

Target:	Annexin V (ANXA5)
Alternative Name:	Annexin V (ANXA5 Products)

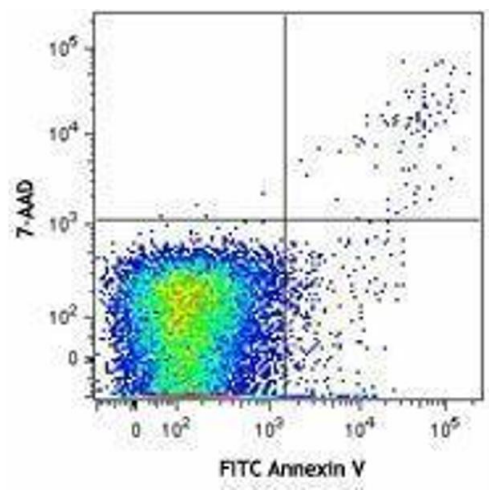
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

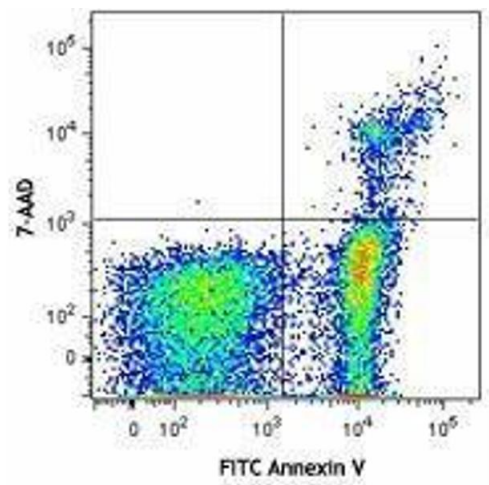
Precaution of Use:	Caution: 7-AAD is a potential carcinogen. It is recommended that the user wear protective clothing, gloves, and eye/face protection in order to avoid contact with skin and eyes.
Handling Advice:	Do not freeze.
Storage:	4 °C
Storage Comment:	Store between 2°C and 8°C.

Images



Flow Cytometry

Image 1.



Flow Cytometry

Image 2.