

Product Datasheet

Annexin V Apoptosis Kit [FITC] NB4830-01-K

Unit Size: 125 Tests

Store the unopened product at 2 - 8° C. Protect from light. Do not use past expiration date.

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NB4830-01-K**Annexin V Apoptosis Kit [FITC]**

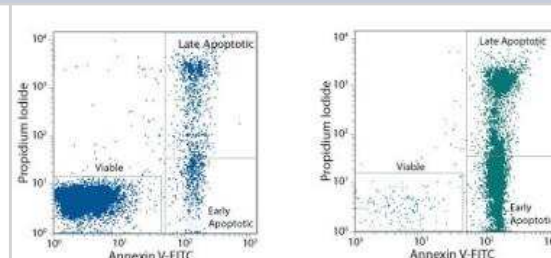
Product Information	
Unit Size	125 Tests
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Store the unopened product at 2 - 8° C. Protect from light. Do not use past expiration date.
Conjugate	FITC

Product Description	
Description	<p>Annexin V Apoptosis Kit [Fluorescein] is supplied with an optimized binding buffer and propidium iodide. Cells are harvested and washed, then incubated with an Annexin V conjugate in binding buffer, for 15 minutes at room temperature prior to direct analysis. Alternatively, a secondary streptavidin conjugate can be used for detection. Propidium iodide is included in the incubation mix to identify cells that have lost membrane integrity (i.e. late apoptotic/necrotic cells). As cells disintegrate, greater access to the inner cell membrane allows for additional Annexin V binding. Thus, double labeling is used to help differentiate between early and late apoptotic/necrotic events.</p> <p>Annexin V Apoptosis Kit [Fluorescein] is provided at a 100X concentration with a 1:1 molar ratio of Annexin V to FITC. Annexin V-Biotin is provided at 100X concentration with a 1:2.5 molar ratio of Annexin V to biotin. The binding of Annexin V will vary depending upon cell type and assay method, therefore, the concentration of Annexin V used may require optimization.</p> <p>Annexin V conjugates may also be used for in situ detection of apoptosis. Cells may be visualized in situ directly, after incubation with Annexin V-conjugates and propidium iodide, by fluorescence microscopy.</p>
Gene ID	308
Gene Symbol	ANXA5
Kit Components	125 ul of Annexin V-FITC, 10 ml of 10X Binding Buffer, 1.25 ml of Propidium Iodide
Suitable Sample Type	Unfixed Cells

Product Application Details	
Applications	Flow Cytometry
Recommended Dilutions	Flow Cytometry

Images

Flow Cytometry: Annexin V Apoptosis Kit [Fluorescein] [NB4830-01-K] - Thymocytes were left untreated (left) or treated with 100 nM dexamethasone for 15.5 hours (right) and then stained using Annexin V-FITC and propidium iodide provided in the Annexin V-FITC Apoptosis Detection Kit (NB4830-01-K). The combination of Annexin V-FITC and propidium iodide allows for the distinction between early apoptotic cells (Annexin V-FITC positive), late apoptotic and/or necrotic cells (Annexin V-FITC and propidium iodide positive), and viable cells (unstained). Analysis courtesy of Dr. C.M. Knudson, Howard Hughes Medical Institute, St. Louis, MO.





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Limitations

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