

# Product Datasheet

## Annexin V Apoptosis Detection Kit NBP2-54875-100Assays

Unit Size: 100 Assays

Store at 4C.

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**NBP2-54875-100Assays****Annexin V Apoptosis Detection Kit**

<b>Product Information</b>	
<b>Unit Size</b>	100 Assays
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Store at 4C.
<b>Conjugate</b>	Cy3
<b>Product Description</b>	
<b>Description</b>	<p>The assay can be directly performed on live cells, without the need of fixation. The kit includes annexin V-Cy3, SYTOX green dye, and binding buffer. The SYTOX green dye is impermeant to live cells and apoptotic cells, but stains necrotic cells with intense green fluorescence by binding to cellular nucleic acids. After staining a cell population with annexin V-Cy3 and SYTOX Green dye in the provided binding buffer, apoptotic cells show red fluorescence, dead cells show green fluorescence and live cells show little or no fluorescence. These populations can easily be distinguished by Fluorescence microscopy using FITC and rhodamine filters or by Flow cytometry using the FL1 channel (Ex/Em = 488/530 nm) for SYTOX Green dye and FL2 channel for Annexin V-Cy3 (Ex/Em = 543/570 nm).</p> <p>Detection: Flow Cytometry or fluorescence microscopy Applications: Detecting apoptosis in living cells by flow cytometry or fluorescence microscopy.</p> <p>This product is manufactured by Abcam and distributed by Novus Biologicals. (Abcam Catalog Number: ab14144)</p>
<b>Gene ID</b>	308
<b>Gene Symbol</b>	ANXA5
<b>Species</b>	Human, Mouse, Rat, Mammal
<b>Kit Components</b>	Annexin V-Cy3, SYTOX Green Dye, Binding Buffer
<b>Suitable Sample Type</b>	Live cells
<b>Product Application Details</b>	
<b>Applications</b>	Flow Cytometry
<b>Recommended Dilutions</b>	Flow Cytometry



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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Kits are guaranteed for 6 months from date of receipt.

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