

# Product Datasheet

## Annexin V Apoptosis Detection Kit NBP2-54834-100Assays

Unit Size: 100 Assays

Store at 4C.

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**NBP2-54834-100Assays****Annexin V Apoptosis Detection Kit**

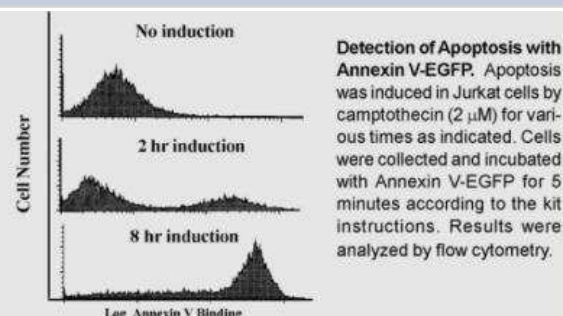
<b>Product Information</b>	
<b>Unit Size</b>	100 Assays
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Store at 4C.

<b>Product Description</b>	
<b>Description</b>	Simple One Step Assay to detect apoptosis within 10 min. Can also differentiate apoptosis vs necrosis. Detection: Flow Cytometry or Fluorescence Microscopy (Ex/Em = 400/505 nm). Detect early/middle stages of apoptosis; differentiate apoptosis from necrosis.  This product is manufactured by Abcam and distributed by Novus Biologicals. (Abcam Catalog Number: K104-100)
<b>Gene ID</b>	308
<b>Gene Symbol</b>	ANXA5
<b>Species</b>	Human, Mouse, Rat, Mammal
<b>Kit Components</b>	Annexin V-EGFP, 1X Binding Buffer, Propidium Iodide (PI)
<b>Suitable Sample Type</b>	Living cells (suspension and adherent)

<b>Product Application Details</b>	
<b>Applications</b>	Flow Cytometry
<b>Recommended Dilutions</b>	Flow Cytometry
<b>Application Notes</b>	The Annexin V-EGFP Apoptosis Detection Kit is based on the observation that soon after initiating apoptosis, most cell types translocate the membrane phospholipid phosphatidylserine (PS) from the inner face of the plasma membrane to the cell surface. Once on the cell surface, PS can be easily detected by staining with an enhanced green fluorescent protein (EGFP) fusion of annexin V, a protein that has a strong natural affinity for PS. The one-step staining procedure takes only 10 minutes. The assay can be directly performed on live cells. Detection can be analyzed by flow cytometry or by fluorescence microscopy with a FITC filter. EGFP is brighter and more photo-stable than other fluorescent reagents. The kit can differentiate apoptosis vs necrosis when performing both annexin V-EGFP and PI staining.

**Images**

Annexin V Apoptosis Kit [NBP2-54834]





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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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