

# Datasheet: ANNEX50APC

**BATCH NUMBER 165649**

<b>Description:</b>	ANNEXIN V:APC ASSAY KIT
<b>Name:</b>	ANNEXIN V KIT
<b>Format:</b>	APC
<b>Product Type:</b>	Kits
<b>Quantity:</b>	50 TESTS

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	APC	650	661

<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	1% Bovine Serum Albumin

### External Database Links

#### UniProt:

[P08758](#) [Related reagents](#)

#### Entrez Gene:

[308](#) ANXA5 [Related reagents](#)

<b>Synonyms</b>	ANX5, ENX2, PP4
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<b>Product Information</b>	This test employs the property of Annexin V to bind to the membrane phospholipid phosphatidylserine (PS) in the presence of Ca <sup>2+</sup> . PS is exposed at the cell surface during the early stages of apoptosis. Detection of PS is a very sensitive method for detecting cells entering apoptosis, at a time point considerably ahead of nuclear changes such as DNA degradation.
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The conjugation protocol used to prepare this product has not changed the native phospholipid binding properties of Annexin V. This protocol is designed to measure apoptosis easily and quickly in a sample of suspended cells.

[View our complete list of formats and sizes of Annexin V kits](#)

<b>Reagents In The Kit</b>	Annexin V:APC 50 tests Propidium Iodide 100 tests 10X Binding Buffer 30 ml
<b>Instructions For Use</b>	<p>1) Dilute the 10X binding buffer to 1X in distilled water (1 ml binding buffer + 9 ml distilled water).</p> <p>2) Wash cells once in PBS by gentle shaking or pipetting up and down. Then wash once in 1X binding buffer.</p> <p>3) Resuspend cells in 1X binding buffer, adjusting to a cell density of <math>1-5 \times 10^6</math> cells/ml.</p> <p>4) Add 5 µl of APC conjugated Annexin V to 100 µl of the cell suspension.</p> <p>5) Mix and incubate for 10 to 15 minutes at room temperature.</p> <p>6) Wash cells in 1X binding buffer.</p> <p>7) Resuspend cells in 200 µl of 1X binding buffer.</p> <p>8) Add 5 µl of Propidium Iodide staining solution.</p> <p>9) Analyse by flow cytometry within 4 hours. Store at 2-8°C in the dark.</p>
<b>Storage</b>	<p>Store at +4°C. DO NOT FREEZE.</p> <p>This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	Guaranteed until date of expiry. Please see product label.
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10229 #10230 #10181 available at: <a href="https://www.bio-rad-antibodies.com/SDS/ANNEX50APC">https://www.bio-rad-antibodies.com/SDS/ANNEX50APC</a></p> <p>Recombinant Annexin V (10229) Binding Buffer (10230) Propidium Iodide (10181)</p>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Useful Reagents

[ANNEXIN V:PE ASSAY KIT \(ANNEX200PE\)](#)  
[ANNEXIN V:PE ASSAY KIT \(ANNEX50PE\)](#)  
[ANNEXIN V:APC ASSAY KIT \(ANNEX200APC\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)  
'M371227:200608'

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