

# Datasheet: ANNEX200APC

**BATCH NUMBER 165470**

<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>	200 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>	<div>Annexin V:APC 200 tests</div> <div>Propidium Iodide Staining Solution 2X 100 tests</div> <div>10X Binding Buffer 100 ml</div>
<b>Instructions For Use</b>	<div>1) Dilute the 10X binding buffer to 1X in distilled water (1 ml binding buffer + 9 ml distilled water).</div> <div>2) Wash cells once in PBS by gentle shaking or pipetting up and down. Then wash once in 1X binding buffer.</div> <div>3) Resuspend cells in 1X binding buffer, adjusting to a cell density of <math>1-5 \times 10^6</math> cells/ml.</div> <div>4) Add 5 <math>\mu</math>l of APC conjugated Annexin V to 100 <math>\mu</math>l of the cell suspension.</div> <div>5) Mix and incubate for 10 to 15 minutes at room temperature.</div> <div>6) Wash cells in 1X binding buffer.</div> <div>7) Resuspend cells in 200 <math>\mu</math>l of 1X binding buffer.</div> <div>8) Add 5 <math>\mu</math>l of Propidium Iodide Staining Solution.</div> <div>9) Analyse by flow cytometry within 4 hours. Store at 2-8°C in the dark.</div>
<b>Storage</b>	<div>Store at +4°C. DO NOT FREEZE.</div> <div>This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.</div>
<b>Guarantee</b>	Guaranteed until date of expiry. Please see product label.
<b>Health And Safety Information</b>	<div>Material Safety Datasheet documentation #10229 #10230 #10181 available at:</div> <div><a href="https://www.bio-rad-antibodies.com/SDS/ANNEX200APC">https://www.bio-rad-antibodies.com/SDS/ANNEX200APC</a></div> <div>Recombinant Annexin V (10229)</div> <div>Binding Buffer (10230)</div> <div>Propidium Iodide (10181)</div>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Useful Reagents

[ANNEXIN V:PE ASSAY KIT \(ANNEX200PE\)](#)  
[ANNEXIN V:APC ASSAY KIT \(ANNEX50APC\)](#)  
[ANNEXIN V:PE ASSAY KIT \(ANNEX50PE\)](#)

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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)  
'M371228:200608'

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