

Datasheet: ANNEX50PE

BATCH NUMBER 165491

Description:	ANNEXIN V:PE ASSAY KIT
Name:	ANNEXIN V KIT
Format:	RPE
Product Type:	Kits
Quantity:	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.

	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)
	RPE 488nm laser	496	578

Preservative	0.09% Sodium Azide (NaN ₃)
Stabilisers	1% Bovine Serum Albumin

External Database Links

UniProt:

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

Entrez Gene:

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

Synonyms	ANX5, ENX2, PP4
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Product Information	This test employs the property of Annexin V to bind to the membrane phospholipid phosphatidylserine (PS) in the presence of Ca ²⁺ . 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](#)

Reagents In The Kit	Annexin V:PE 50 tests 7-AAD Viability Staining Solution 100 tests 10X Binding Buffer 30 ml
Instructions For Use	<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 $1-5 \times 10^6$ cells/ml.</p> <p>4) Add 5 µl of PE 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 7-AAD Viability Staining Solution and incubate for 5 minutes at room temperature.</p> <p>9) Analyse by flow cytometry within 4 hours. Store at 2-8°C in the dark.</p>
Storage	<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>
Guarantee	Guaranteed until date of expiry. Please see product label.
Health And Safety Information	<p>Material Safety Datasheet documentation #10229 #10230 #10582 available at: https://www.bio-rad-antibodies.com/SDS/ANNEX50PE</p> <p>Recombinant Annexin V (10229) Binding Buffer (10230) 7-AAD (10582)</p>
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

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

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

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

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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

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