Datasheet: ANNEX50PE

BATCH NUMBER 164362

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 Stabilisers

0.09% Sodium Azide (NaN_3)
1% Bovine Serum Albumin

External Database Links

UniProt:
P08758 Related reagents

Entrez Gene:
308 ANXA5 Related reagents

Synonyms

ANX5, ENX2, PP4

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.

	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	1) Dilute the10X Binding Buffer to 1X in distilled water (1 ml Binding Buffer + 9 ml distilled water). 2) Wash cells once in PBS by gentle shaking or pipetting up and down. Then wash once in 1X binding buffer. 3) Resuspend cells in 1X Binding Buffer, adjusting to a cell density of 1-5 x 10^6 cells/ml. 4) Add 5 µl of PE conjugated Annexin V to 100 µl of the cell suspension. 5) Mix and incubate for 10 to15 minutes at room temperature. 6) Wash cells in 1X Binding Buffer. 7) Resuspend cells in 200 µl of 1X Binding Buffer. 8) Add 5 µl of 7-AAD Viability Staining Solution and incubate for 5 minutes at room temperature. 9) Analyse by flow cytometry within 4 hours. Store at 2-8°C in the dark.
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	Guaranteed until date of expiry. Please see product label.
Health And Safety Information	Material Safety Datasheet documentation #10229 #10230 #10582 available at: https://www.bio-rad-antibodies.com/SDS/ANNEX50PE Recombinant Annexin V (10229) Binding Buffer (10230) 7-AAD (10582)
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
'M371226:200608'

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