

Datasheet for ABIN2669906 Annexin V Apoptosis Detection Kit PE

3 Publications



Overview

Quantity:	200 tests
Target:	Annexin V (ANXA5)
Reactivity:	Chemical
Conjugate:	PE
Application:	Flow Cytometry (FACS)
Product Details	
Purpose:	The kit can identify and quantitate apoptotic cells on a single-cell basis by flow cytometry.
Sample Type:	Blood, Cell Culture Cells
Detection Method:	Fluorometric
Characteristics:	Staining cells simultaneously with Annexin V-PE and the non-vital 7-Amino-Actinomycin D (far red fluorescence) allows (bivariate analysis) the discrimination of intact cells (Annexin V-PE negative, 7-AAD negative), early apoptotic (Annexin V-PE positive, 7-AAD negative) and late apoptotic or necrotic cells (Annexin V-PE positive, 7-AAD positive).
Components:	 100 Tests of AnnexinV FITC 100 Tests of PI 10X Binding Buffer
Material not included:	 pipettes , tubes

flow cytometry machine

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN2669906 | 07/26/2024 | Copyright antibodies-online. All rights reserved.

Target Details	
Target:	Annexin V (ANXA5)
Alternative Name:	Annexin V (ANXA5 Products)
Molecular Weight:	35 kDa

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Samples were tested on Flow Cytometry Induce apoptosis in cells using the desired method is
	not included in this time. For instance, Jurkat cells (T-cell leukemia, human) treated with 6 μM
	camptothecin for four hours.
Sample Volume:	5 μL
Assay Time:	<1h
Protocol:	Staining cells protocol with Annexin-PE. Flow Cytometry
	1. Prepare Annexin V Binding Buffer: 10 mM Hepes/NaOH (pH 7,4) 140 mM NaCl, 2,5 mM
	CaCl2.
	2. Induce apoptosis in cells using the desired method. A negative control should be prepared by
	untreated cells, that is used to define the basal level of apoptotic and necrotic or dead cells.
	3. Harvest the cells after the apoptosis induction and wash in temperate phosphate-buffered
	saline (PBS).
	4. Wash cells twice with temperate PBS and resuspend cells in 1 X Annexin-binding buffer at a
	concentration 1 x 106 cells/mL.
	5. Add 5 μL of the Annexin V-PE and 5 μL of 7-AAD, to each 100 μL of cell suspension.
	6. Incubate the cells at room temperature for 15 minutes at room temperature (25 °C) in the
	dark.
	7. After incubation period, add 400 μ L of 1X Annexin-binding buffer. Analyze by flow cytometry
	within one hour.
Reagent Preparation:	AnnexinV PE is ready to use.
	7AAD is ready to use.
	Prepare Annexin V Binding Buffer
	10 mM Hepes/NaOH (pH 7,4) 140 mM NaCl, 2,5 mM CaCl2.
Restrictions:	For Research Use only

Handling

Preservative:	Sodium azide
Precaution of Use:	Reagents contain sodium azide. Sodium azide under acid conditions yields hydrazoic acid, an
	extremely toxic compound. Azide compounds should be diluted with running water before
	being discarded. These conditions are recommended to avoid deposits in plumbing where
	explosive conditions may develop.
	Do not pipet by mouth.
	Samples should be handled as if capable of transmitting infection. Appropriate disposal
	methods should be used.
	The sample preparation procedure employs a fixative (formaldehyde). Contact is to be avoided
	with skin or mucous membranes
Handling Advice:	Light exposure should be avoided. Use dim light during handling, incubation with cells and prior
	to analysis.
Storage:	4 °C
otorage.	T 0
Storage.	
Publications	
	Mazzeo, Calvo, Alonso, Mérida, Izquierdo: "Protein kinase D1/2 is involved in the maturation of
Publications	
Publications	Mazzeo, Calvo, Alonso, Mérida, Izquierdo: "Protein kinase D1/2 is involved in the maturation of
Publications	Mazzeo, Calvo, Alonso, Mérida, Izquierdo: "Protein kinase D1/2 is involved in the maturation of multivesicular bodies and secretion of exosomes in T and B lymphocytes." in: Cell death and
Publications	Mazzeo, Calvo, Alonso, Mérida, Izquierdo: "Protein kinase D1/2 is involved in the maturation of multivesicular bodies and secretion of exosomes in T and B lymphocytes." in: Cell death and differentiation , (2015) (PubMed).
Publications	Mazzeo, Calvo, Alonso, Mérida, Izquierdo: "Protein kinase D1/2 is involved in the maturation of multivesicular bodies and secretion of exosomes in T and B lymphocytes." in: Cell death and differentiation , (2015) (PubMed). De Miguel, Gallego-Lleyda, Galan-Malo, Rodriguez-Vigil, Marzo, Anel, Martinez-Lostao: "
Publications	Mazzeo, Calvo, Alonso, Mérida, Izquierdo: "Protein kinase D1/2 is involved in the maturation of multivesicular bodies and secretion of exosomes in T and B lymphocytes." in: Cell death and differentiation , (2015) (PubMed). De Miguel, Gallego-Lleyda, Galan-Malo, Rodriguez-Vigil, Marzo, Anel, Martinez-Lostao: " Immunotherapy with liposome-bound TRAIL overcomes partial protection to soluble TRAIL-
Publications	Mazzeo, Calvo, Alonso, Mérida, Izquierdo: "Protein kinase D1/2 is involved in the maturation of multivesicular bodies and secretion of exosomes in T and B lymphocytes." in: Cell death and differentiation , (2015) (PubMed). De Miguel, Gallego-Lleyda, Galan-Malo, Rodriguez-Vigil, Marzo, Anel, Martinez-Lostao: " Immunotherapy with liposome-bound TRAIL overcomes partial protection to soluble TRAIL- induced apoptosis offered by down-regulation of Bim in leukemic cells." in: Clinical &
Publications	Mazzeo, Calvo, Alonso, Mérida, Izquierdo: "Protein kinase D1/2 is involved in the maturation of multivesicular bodies and secretion of exosomes in T and B lymphocytes." in: Cell death and differentiation , (2015) (PubMed). De Miguel, Gallego-Lleyda, Galan-Malo, Rodriguez-Vigil, Marzo, Anel, Martinez-Lostao: " Immunotherapy with liposome-bound TRAIL overcomes partial protection to soluble TRAIL- induced apoptosis offered by down-regulation of Bim in leukemic cells." in: Clinical & translational oncology : official publication of the Federation of Spanish Oncology Societies
Publications	Mazzeo, Calvo, Alonso, Mérida, Izquierdo: "Protein kinase D1/2 is involved in the maturation of multivesicular bodies and secretion of exosomes in T and B lymphocytes." in: Cell death and differentiation , (2015) (PubMed). De Miguel, Gallego-Lleyda, Galan-Malo, Rodriguez-Vigil, Marzo, Anel, Martinez-Lostao: " Immunotherapy with liposome-bound TRAIL overcomes partial protection to soluble TRAIL- induced apoptosis offered by down-regulation of Bim in leukemic cells." in: Clinical & translational oncology : official publication of the Federation of Spanish Oncology Societies and of the National Cancer Institute of Mexico , Vol. 17, Issue 8, pp. 657-67, (2015) (PubMed).
Publications	Mazzeo, Calvo, Alonso, Mérida, Izquierdo: "Protein kinase D1/2 is involved in the maturation of multivesicular bodies and secretion of exosomes in T and B lymphocytes." in: Cell death and differentiation , (2015) (PubMed). De Miguel, Gallego-Lleyda, Galan-Malo, Rodriguez-Vigil, Marzo, Anel, Martinez-Lostao: " Immunotherapy with liposome-bound TRAIL overcomes partial protection to soluble TRAIL- induced apoptosis offered by down-regulation of Bim in leukemic cells." in: Clinical & translational oncology : official publication of the Federation of Spanish Oncology Societies and of the National Cancer Institute of Mexico , Vol. 17, Issue 8, pp. 657-67, (2015) (PubMed). Ramírez-Labrada, López-Royuela, Jarauta, Galán-Malo, Azaceta, Palomera, Pardo, Anel, Marzo,
Publications	Mazzeo, Calvo, Alonso, Mérida, Izquierdo: "Protein kinase D1/2 is involved in the maturation of multivesicular bodies and secretion of exosomes in T and B lymphocytes." in: Cell death and differentiation , (2015) (PubMed). De Miguel, Gallego-Lleyda, Galan-Malo, Rodriguez-Vigil, Marzo, Anel, Martinez-Lostao: " Immunotherapy with liposome-bound TRAIL overcomes partial protection to soluble TRAIL- induced apoptosis offered by down-regulation of Birn in leukemic cells." in: Clinical & translational oncology : official publication of the Federation of Spanish Oncology Societies and of the National Cancer Institute of Mexico , Vol. 17, Issue 8, pp. 657-67, (2015) (PubMed). Ramírez-Labrada, López-Royuela, Jarauta, Galán-Malo, Azaceta, Palomera, Pardo, Anel, Marzo, Naval: "Two death pathways induced by sorafenib in myeloma cells: Puma-mediated apoptosis