

ApoScreen Annexin V Apoptosis Kit FITC Kit | ANXA5 fitc kit

Aposcreen Annexin V Apoptosis Kit-FITC

CATALOG # AAA78882	APPLICATIONS Flow Cytometry, Functional Assay
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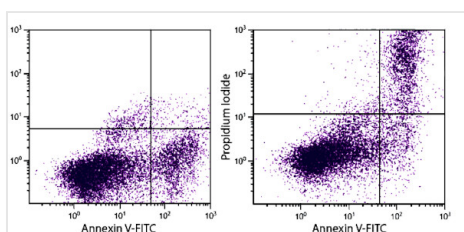
PRODUCT SYNONYMS

ApoScreen Annexin V Apoptosis Kit; Aposcreen Annexin V Apoptosis Kit-FITC; Aposcreen Annexin V Apoptosis Kit - FITC; ANXA5 fitc kit

PRODUCT SPECIFICATIONS

Sequence Length	320
Applicable Applications for ANXA5 fitc kit	FCM/FACS (Flow Cytometry)
Kit Components and Storage Handling	A : Annexin V-FITC is supplied as 100 tests in 1.0 mL of Annexin V Binding Buffer. Store at 2-8°C**. B : Propidium Iodide (PI) is supplied as 100 tests in 1.0 mL of Annexin V Binding Buffer. Store at 2-8°C**. C : Annexin V Binding Buffer 10X is supplied as 7 x 1.5 mL. Store at 2-8°C. **Protect FITC conjugated and PI reagents from light. Reagents are stable for the period shown on the label if stored as directed.

IMAGES



FCM/FACS (Flow Cytometry)

Day old BALB/c mouse splenocytes were stained with ApoScreen® Annexin V Apoptosis Kit-FITC (AAA78882)

ADDITIONAL INFORMATION

Related Product Information for ANXA5 fitc kit	ApoScreen® Annexin V Apoptosis Kit-FITC (Cat. No. MBS678004) employs a fluorescein-conjugated Annexin V (Annexin V-FITC) in concert with propidium iodide (PI) to evaluate subpopulations of cells undergoing apoptosis. During the early stages of apoptosis, cells begin to display phosphatidylserine (PS) on the outer cell membrane where it is readily detectable by staining the cells with Annexin V-FITC. As the plasma membrane becomes increasingly permeable during the later stages of apoptosis, PI can readily move across the cell membrane and bind to cellular DNA, providing a means for identifying those cells that have lost membrane integrity through mechanisms including necrosis. When cells are double stained with Annexin V-FITC and PI, three different cell populations may be observed - (i) live cells that do not stain with either Annexin V-FITC or PI; (ii) necrotic cells that stain with both reagents; and (iii) apoptotic cells that stain with Annexin V-FITC only. Analysis may be performed on any flow cytometer equipped with a single laser using excitation at 488 nm. Alternatively, the cells can be examined with a fluorescence microscope equipped with filters for discrimination of FITC and rhodamine/PI.
Product Categories/Family for ANXA5 fitc kit	ApoScreen Annexin V Kit

References	1. Cohen, J.J. 1991. Adv. Immunol. 50:55. 2. MacDonald, HR, and R.K. Lees. 1990. Nature 343:642. 3. Liu, Y.J., et al. 1989. Nature 342:929. 4. Arends, M.J., and A.H. Wylie. 1991. Int. Rev. Exp. Pathol. 32:223. 5. Wylie, A.H., et al. 1991. J. Pathol. 142:67. 6. Fadok, V.A., et al. 1992. J. Immunol. 148:2207 7. Tait, J.F., et al. 1989. J. Biol. Chem. 264:7944. 8. Andree, H.A., et al. 1990. J. Biol. Chem. 265:4923. 9. Thiagarajan, P., et al. 1990. J. Biol. Chem. 265:17420. 10. Dachary, P.J., et al. 1993. Blood 81:2554. 11. Koopman, G., et al. 1994. Blood 84:1415. 12. Martin,S.J., et al. 1995. J. Exp. Med. 182:1545. 13. Wood, B.L., et al. 1996. Blood 88:1873. 14. Gavriell, Y., et al. 1992. J. Cell. Biol. 119:493.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502107
NCBI GeneID	308
NCBI Accession #	NP_001145.1
NCBI GenBank Nucleotide #	NM_001154.3
UniProt Accession #	P08758; Q6FHB3; Q6FI16; Q8WV69; Q9UDH9; D3DNW7
NCBI Official Full Name	annexin A5
NCBI Official Synonym Full Names	annexin A5
NCBI Official Symbol	ANXA5
NCBI Official Synonym Symbols	PP4; ANX5; ENX2
NCBI Protein Information	annexin A5; CBP-I; PAP-I; VAC-alpha; annexin V; annexin-5; anchorin CII; endonexin II; lipocortin V; calphobindin I; OTTHUMP00000164026; OTTHUMP00000219982; OTTHUMP00000219983; OTTHUMP00000219985; thromboplastin inhibitor; vascular anticoagulant-alpha; placental anticoagulant protein 4; placental anticoagulant protein I
UniProt Protein Name	Annexin A5
UniProt Gene Name	ANXA5
UniProt Synonym Gene Names	ANX5; ENX2; PP4
UniProt Entry Name	ANXA5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.