

Product datasheet

Annexin V/ANXA5-FITC Apoptosis Detection Reagent (500X) ab14082

[18 References](#) [1 Image](#)

Overview

Product name	Annexin V/ANXA5-FITC Apoptosis Detection Reagent (500X)
Tested applications	Suitable for: FM, Flow Cyt, ICC/IF
General notes	<p>This product is manufactured by BioVision, an Abcam company and was previously called 1001 Annexin V-FITC Reagent.</p> <p>Annexin V/ANXA5-FITC Apoptosis Detection Reagent ab14082 (previously known as Annexin V-FITC Reagent 1001) can be used in a 10 min, one-step staining procedure to detect apoptosis by staining phosphatidylserine molecules which have translocated to the outside of the cell membrane. Analysis is by flow cytometry or fluorescence microscopy.</p> <p>This Annexin V/ANXA5-FITC reagent can be used with Annexin V/ANXA5 binding buffer ab14084 (see protocol section for instructions). The Annexin V/ANXA5-FITC reagent is also available as part of Annexin V/ANXA5-FITC apoptosis kit ab14085.</p> <p>For more apoptosis assays, review the full set of Annexin V/ANXA5 assays, or the apoptosis assay and apoptosis marker guide.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	<p>pH: 7.40</p> <p>Preservative: 0.03% Proclin 300</p> <p>Constituents: 1% BSA, PBS</p>
Function	This protein is an anticoagulant protein that acts as an indirect inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade.
Involvement in disease	Pregnancy loss, recurrent, 3
Sequence similarities	<p>Belongs to the annexin family.</p> <p>Contains 4 annexin repeats.</p>
Domain	<p>The [IL]-x-C-x-x-[DE] motif is a proposed target motif for cysteine S-nitrosylation mediated by the iNOS-S100A8/A9 transnitrosylase complex.</p> <p>A pair of annexin repeats may form one binding site for calcium and phospholipid.</p>
Post-translational	S-nitrosylation is induced by interferon-gamma and oxidatively-modified low-density lipoprotein

modifications

(LDL(ox)) possibly implicating the iNOS-S100A8/9 transnitrosylase complex.

Applications

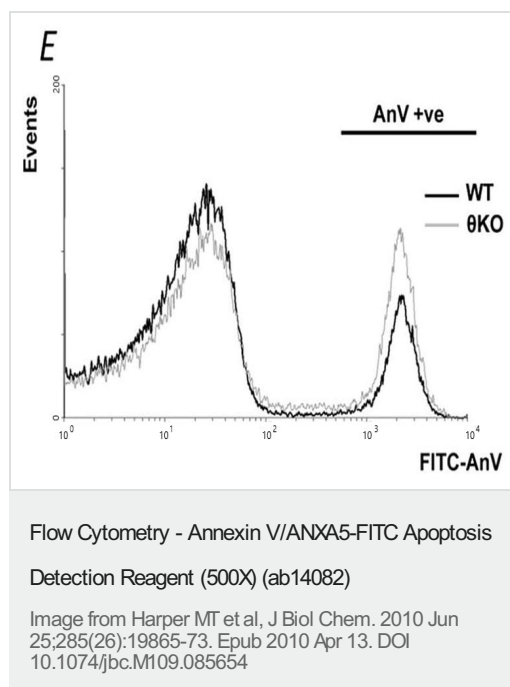
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Our **Abpromise guarantee** covers the use of ab14082 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
FM		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent dilution.
ICC/IF		Use 1µl for 10 ⁵ cells.

Images



Murine platelets were stimulated with CRP (5 µg/ml) in the presence of annexin V-fluorescein isothiocyanate for 10 minutes. The annexin V-positive population is indicated (AnV +ve).

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