

Product datasheet

Annexin V/ANXA5-Cy3 Apoptosis Staining / Detection Reagent ab14143

5 References

Overview

Product name	Annexin V/ANXA5-Cy3 Apoptosis Staining / Detection Reagent
Tested applications	Suitable for: FM, Flow Cyt
General notes	<p>This product is manufactured by BioVision, an Abcam company and was previously called 1002 Annexin V-Cy3 Reagent.</p> <p>Annexin V/ANXA5-Cy3 Apoptosis Detection Reagent ab14143 (previously known as Annexin V-Cy3 Reagent 1002) 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-Cy3 reagent can be used with Annexin V/ANXA5 binding buffer ab14084 (see protocol section for instructions). The Annexin V/ANXA5-Cy3 reagent is also available as part of Annexin V/ANXA5-Cy3 apoptosis kit ab14142 and Annexin V/ANXA5-Cy3 with SYTOX apoptosis kit ab14144.</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 (stable for up to 12 months). Store at +4°C.
Storage buffer	<p>pH: 7.4</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: PBS, 1% BSA</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 modifications

S-nitrosylation is induced by interferon-gamma and oxidatively-modified low-density lipoprotein (LDL(ox)) possibly implicating the iNOS-S100A8/9 transnitrosylase complex.

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab14143 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.

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