

# Annexin V/ANXA5-PE Apoptosis Staining / Detection Reagent ab14154

### Overview

<b>Product name</b>	Annexin V/ANXA5-PE Apoptosis Staining / Detection Reagent
<b>Tested applications</b>	<b>Suitable for:</b> FM, Flow Cyt
<b>General notes</b>	<p>This product is manufactured by BioVision, an Abcam company and was previously called 1014 Annexin V-PE Reagent.</p> <p>Annexin V/ANXA5-PE Apoptosis Detection Reagent ab14154 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-PE reagent can be used with Annexin V/ANXA5 binding buffer <a href="#">ab14084</a> (see protocol section for instructions). The Annexin V/ANXA5-PE reagent is also available as part of Annexin V-PE apoptosis kit <a href="#">ab14155</a>.</p> <p>For more apoptosis assays, review the full set of <a href="#">Annexin V/ANXA5 assays</a>, or the <a href="#">apoptosis assay and apoptosis marker guide</a>.</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Store at +4°C. Do not freeze.
<b>Storage buffer</b>	<p>pH: 7.4</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: PBS, 1% BSA</p>
<b>Function</b>	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.
<b>Involvement in disease</b>	Pregnancy loss, recurrent, 3
<b>Sequence similarities</b>	<p>Belongs to the annexin family.</p> <p>Contains 4 annexin repeats.</p>
<b>Domain</b>	<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>
<b>Post-translational</b>	S-nitrosylation is induced by interferon-gamma and oxidatively-modified low-density lipoprotein (LDL(ox)) possibly implicating the iNOS-S100A8/9 transnitrosylase complex.

## modifications

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## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab14154 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.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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