

Product Datasheet

Vazyme - Annexin V-FITC/PI Apoptosis Detection Kit (A211-02)

Catalog Number	A211-02
Category	Tools
Description	Annexin V is labeled with green fluorescent FITC, and the labeled Annexin V retains a high affinity for PS and can be used as a probe to detect apoptosis by fluorescence microscopy or flow cytometry. Since PS eversion occurs in the early stage of apoptosis, Annexin V-FITC staining can identify the occurrence of apoptosis in the early stage of apoptosis. Propidium iodide (PI) is a nucleic acid dye. PI cannot penetrate the intact cell membrane of normal cells or early apoptotic cells, but can penetrate the cell membrane of membrane-damaged cells such as late apoptotic cells or necrotic cells, and bind to their DNA, causing their nuclei to become red. It can be used to distinguish early apoptotic cells from late apoptotic cells or necrotic cells. Therefore, by co-staining Annexin V-FITC with PI, cells in different apoptotic stages can be distinguished. On the scattergram of dual-color flow cytometry, Annexin V-FITC and PI double negative are normal cells, Annexin V-FITC positive and PI negative are early apoptotic cells, and Annexin V-FITC and PI double positive cells are late apoptotic cells or necrotic cells.
Application notes	Double label: Annexin V-FITC and PI; distinguish cells at different stages of apoptosis (early / late apoptotic) Additional features: Red fluorescent label for easy co-labeling with other green fluorescents such as GFP High binding efficiency: Annexin V conjugates have higher binding efficiency and extremely accurate characterization of the apoptotic process
Usage Notes	Restricted to UK and Ireland's customers ONLY
Storage	Store at 2 ~ 8°C and protect Annexin V-FITC and PI Staining Solution from light. If not in use for a long time, store Annexin V-FITC at -30 ~ -15°C to avoid repeated freezing and thawing. Adjust the shipping method according to the destination.

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com
Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558

Background Only available for the UK and Republic of Ireland

Note For research use only

Expiration Date 12 months from date of receipt.



Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)