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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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(FOR RESEARCH USE ONLY. DO NOT USE IT IN CLINICAL DIAGNOSIS !)

Annexin V-AF647 Azide-Free Lyophilized Powder

Catalog No: E-CK-A113U

Sizes: 25 µg / 50 µg / 100 µg/ 200 µg

Cat.	Products	25 µg	50 µg	100 µg	200 µg	Storage
E-CK-A113U	Annexin V-AF647 Azide-Free Lyophilized Powder	25 µg	25 µg × 2	100 µg	100 µg × 2	-20 °C
Manual			One Copy			

This manual must be read attentively and completely before using this product.

If you have any problems, please contact our Technical Service Center for help.

Phone: 240-252-7368(USA) Fax: 240-252-7376(USA)

Email: techsupport@elabscience.com

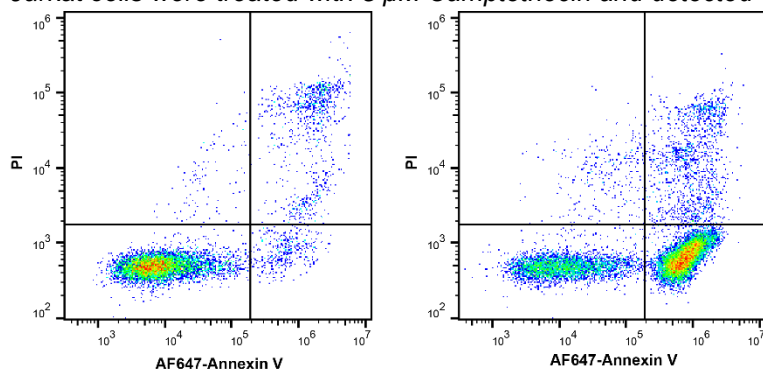
Website: www.elabscience.com

Please kindly provide us the lot number (on the outside of the box) of the kit for more efficient service.

Introduction

Elabscience® Annexin V-AF647 Azide-Free Lyophilized Powder is developed for long-term storage and user-defined concentrations of AF647-conjugated Annexin V. It contains no preservatives like azides or Proclin. Annexin V is a member of the annexin family, which binds to phosphatidylserine (PS) in a calcium-dependent manner. The AF647-conjugated format of this protein, Annexin V-AF647, binds specifically to the PS displayed on the outer leaflet of apoptotic cell membrane. The signal of Annexin V-AF647 can be collected with flow cytometry or fluorescence microscopy to detect cell apoptosis.

Jurkat cells were treated with 5 μ M Camptothecin and detected with this reagent and PI.



Jurkat cells were cultured with (**Right**) or without (**Left**) 5 μ M Camptothecin for 4 h. Annexin V-AF647 single-positive cells were early apoptotic cells, Annexin AF647 and PI double-positive cells were necrotic or late apoptotic cells, and PI single-positive cells were naked nuclei

Reconstitution

Reconstitute the reagent with **sterile deionized water**. Make sure the final concentration is less than 1 mg/ml. (This concentration is high enough for stock solution. In our internal tests, working solutions with 1~2 μ g/mL Annexin V-AF647 have best results for flow cytometry.) For example, at least 10 μ l water should be added to 10 μ g Annexin V-AF647. Otherwise, the lyophilized cake may not be thoroughly soaked in water.

Storage

The lyophilized powder is stable for at least two years when stored at -20 $^{\circ}$ C in the dark after arrival.

After reconstitution, the reagent can be stored in the dark under sterile conditions at 2~8 $^{\circ}$ C for at least 6 months.

Cautions

1. For maximal assay performance, this reagent should be used within 12 months. Avoid freeze / thaw cycles.
2. Detect apoptosis as soon as possible after staining to avoid the increase number of apoptosis or necrosis.
3. Avoid extended exposure of the samples to direct light to protect the fluorophores from quenching.
4. For your safety and health, please wear the lab coat and disposable gloves before the experiments.