Annexin V-Elab Fluor® Violet 500 Azid-Free Lyophilized Powder

Cat. No: E-CK-A135U **Size: 25 μg/50 μg/100 μg/200 μg**

Cat.	Products	25 μg	50 μg	100 μg	200 μg	Storage
E-CK-A135U	Annexin V-Elab Fluor® Violet 500 Azide-Free Lyophilized Powder	25 μg	25 μg×2	100 μg	100 μg×2	-20 ℃, shading light

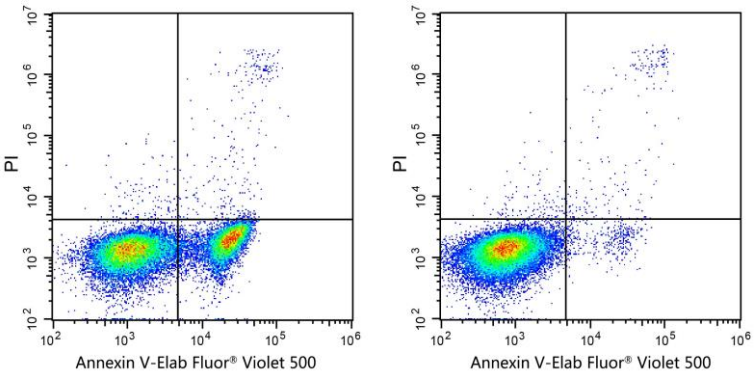
Storage

The lyophilized powder is stable for at least two years when stored at -20 ℃ in the dark after arrival.

Introduction

Elabscience® Annexin V-Elab Fluor® Violet 500 Azide-Free Lyophilized Powder is developed for long-term storage and userdefined concentrations of Elab Fluor® Violet 500-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 Elab Fluor® Violet 500-conjugated format of this protein, Annexin V-Elab Fluor® Violet 500, binds specifically to the PS displayed on the outer leaflet of apoptotic cell membrane. The signal of Annexin V-Elab Fluor® Violet 500 can be collected with flow cytometry or fluorescence microscopy to detect cell apoptosis.

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



Jurkat cells were cultured with (**Left**) or without (**Right**) 5 μM Camptothecin for 4 h. Annexin V-Elab Fluor® Violet 500 single-positive cells were early apoptotic cells, Annexin V-Elab Fluor® Violet 500 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 μg/mL Annexin V-Elab Fluor® Violet 500 have best results for flow cytometry.) For example, at least 10 μL water should be added to 10 μg Annexin V-Elab Fluor® Violet 500. Otherwise, the lyophilized cake may not be thoroughly soaked in water.

Cautions

1. This kit is for reseach use only.
2. Detect apoptosis as soon as possible after staining to avoid the increase number of apoptosis or necrosis. Avoid extended exposure of the samples to direct light to protect the fluorophores from quenching.
3. For your safety and health, please wear the lab coat and disposable gloves before the experiments.

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