

Datasheet for ABIN2669259

Annexin V Protein (Pacific Blue)

2 Images



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Overview

| | |
|-------------------------------|---|
| Quantity: | 100 tests |
| Target: | Annexin V (ANXA5) |
| Origin: | Mammalian |
| Source: | Escherichia coli (E. coli) |
| Purification tag / Conjugate: | This Annexin V protein is labelled with Pacific Blue. |
| Application: | Biochemical Assay (BCA) |

Product Details

| | |
|------------------|---|
| Characteristics: | Annexin V (or Annexin A5) is a member of the annexin family of intracellular proteins that binds to phosphatidylserine (PS) in a calcium-dependent manner. PS is normally only found on the intracellular leaflet of the plasma membrane in healthy cells, but during early apoptosis, membrane asymmetry is lost and PS translocates to the external leaflet. Fluorochrome-labeled Annexin V can then be used to specifically target and identify apoptotic cells. Annexin V Binding Buffer (cat. no. 422201) is recommended for use with Annexin V staining. Annexin V binding alone cannot differentiate between apoptotic cells and necrotic. So, we recommend using our 7-AAD Viability Staining Solution (cat. no. 420403/420404) or Propidium Iodide Solution (cat. no. 421301). Early apoptotic cells will exclude 7-AAD and PI, while late stage apoptotic cells and necrotic cells will stain positively, due to the passage of these dyes into the nucleus where they bind to DNA. |
| Purification: | The purified protein was conjugated with Pacific Blue™ under optimal conditions. The solution is free of unconjugated Pacific Blue™. |
| Components: | Pacific Blue(TM) Annexin V, PB |

Target Details

Target: Annexin V (ANXA5)

Alternative Name: Annexin V ([ANXA5 Products](#))

Pathways: [Apoptosis](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Buffer: Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide and 0.2 % (w/v) BSA .

Preservative: Sodium azide

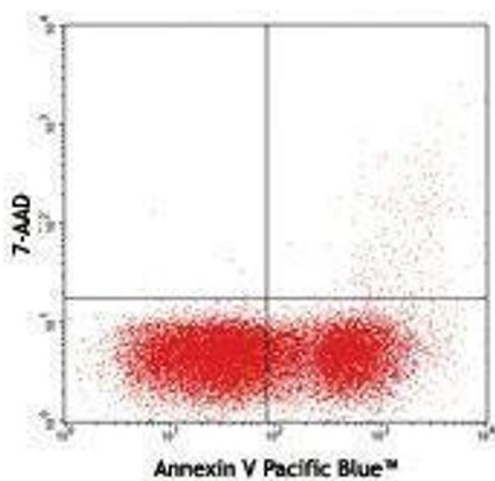
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Protect from prolonged exposure to light. Do not freeze.

Storage: 4 °C

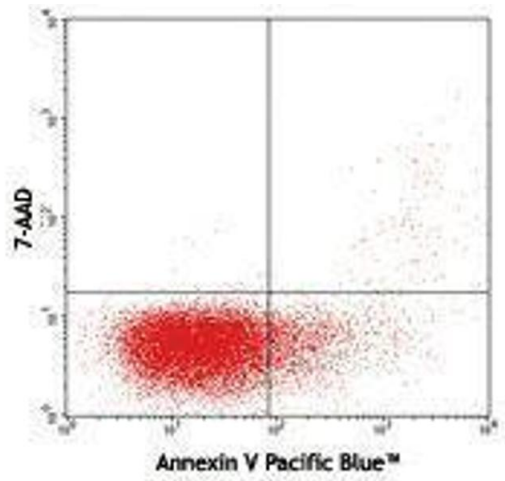
Storage Comment: The Annexin V solution should be stored undiluted between 2°C and 8°C.

Images



Flow Cytometry

Image 1.



Flow Cytometry

Image 2.