

Technical Data Sheet

APC Human Annexin V Protein

Catalog Number: 604207, 604208

Size: 25 ug, 100 ug

Target Name: Annexin A5

Regulatory Status: RUO

Product Details

Application: Flow Cytometry

Format: Liquid, APC

Expression Host: E.coli

Species: Human

Accession Number: P08758

Sources: Recombinant Human Annexin A5 (Met1-Asp320) with N-His-Xa tag is expressed in E.coli system. His tag is cut by Xa after purification. This protein is then conjugated to APC.

Molecular Weight: This protein has a predicted molecular weight of 35.9 kDa. Under DTT-reducing conditions, the protein migrates at approximately 35 kDa on SDS-PAGE prior to conjugation.

Affinity Tag: None

Formulation: 1xPBS buffer, pH7.4, 0.09% NaN₃ with a carrier protein

Endotoxin level: Not tested

Protein Concentration: 25µg size is bottled at 0.1mg/mL concentration. 100 µg size is bottled at lot specific concentration.

Storage and Handling: Briefly centrifuge the vial upon receipt. An unopened vial may be stored at 2–8°C for up to six months.

Background Information

Annexin A5 is a member of the annexin family, a group of proteins that bind negatively charged phospholipids in a calcium-dependent manner. During apoptosis, phosphatidylserine (PS) translocates to the outer leaflet of the plasma membrane. Annexin A5 specifically binds to this exposed PS, making it a widely used marker for early apoptosis. It is commonly used in combination with propidium iodide (PI) in flow cytometry or microscopy assays