

## Human Annexin V Protein

<b>Catalog Number:</b>	604201, 604202
<b>Size:</b>	25 ug, 100 ug
<b>Target Name:</b>	Annexin A5
<b>Regulatory Status:</b>	RUO

### PRODUCT DETAILS

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<b>Application:</b>	Flow Cytometry
<b>Format:</b>	Liquid, Purified
<b>Expression Host:</b>	E.coli
<b>Species:</b>	Human
<b>Accession Number:</b>	P08758
<b>Sources:</b>	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.
<b>Molecular Weight:</b>	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.
<b>Affinity Tag:</b>	None
<b>Purity:</b>	>95% based on SDS-PAGE under reducing condition
<b>Formulation:</b>	1xPBS/0.09%NaN3
<b>Endotoxin level:</b>	Not tested
<b>Protein Concentration:</b>	25µg size is bottled at 0.2mg/mL concentration. 100 µg size is supplied at a lot-specific concentration.
<b>Storage and Handling:</b>	Briefly centrifuge the vial upon receipt. An unopened vial can be stored at 4°C for up to 2 weeks, or at -20°C or below for up to six months. The protein may be further diluted to 0.1 mg/mL using 0.22 µm-filtered PBS buffer (pH 7.4). For long-term storage, the diluted stock solution should be aliquoted and stored at ≤ -70°C to minimize freeze-thaw cycles. If additional dilution is required, carrier proteins such as FBS or BSA should be added to maintain protein stability.

### BACKGROUND INFORMATION

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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

### PRODUCT DATA

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P(-) P(+) M

Purified Human Annexin V Protein on SDS-PAGE under non-reducing (P-) and reducing (P+) conditions. The gel was stained for 1 hour with BlinkBlue Protein Staining Buffer (Catalog 700102). The purity of this protein appears to be greater than 95%.

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