

## PB Annexin V

<b>Catalog Number:</b>	604215, 604216
<b>Size:</b>	25 tests, 100 tests
<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>	PB
<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. This protein is then conjugated to PB.
<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 prior to conjugation.
<b>Affinity Tag:</b>	None
<b>Formulation:</b>	1xPBS buffer, pH7.4, 0.09% NaN3 with a carrier protein
<b>Protein Concentration:</b>	Supplied at a lot-specific concentration.
<b>Storage and Handling:</b>	Briefly centrifuge the vial upon receipt. An unopened vial may be stored at 2-8°C for up to six months.
<b>Recommended Usage:</b>	□For flow cytometric staining, it is recommended to use 5 µL of this reagent per 0.5-1.0 million cells in a 100 µL volume. Optimal reagent performance should be determined by titration for each specific application. Pacific Blue has an excitation max at 404 nm and an emission max at 455 nm.
<b>Excitation Laser:</b>	Violet laser (405nm)

## 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