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InnoCyto Inc.

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Biotin Annexin V

Catalog Number:	604203, 604204
Size:	25 tests, 100 tests
Target Name:	Annexin A5
Regulatory Status:	RUO

PRODUCT DETAILS

Application:	Flow Cytometry
Format:	Biotin
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 biotinylated in vitro.
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.
Affinity Tag:	None
Purity:	>95% based on SDS-PAGE under reducing condition
Formulation:	1xPBS buffer, pH7.4, 0.09% NaN3 with a carrier protein
Protein Concentration:	Supplied at a lot-specific concentration.
Storage and Handling:	The protein solution should be stored undiluted between 2°C and 8°C. Do not freeze.
Recommended Usage:	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.

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