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InnoCyto Inc.

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FITC Human Annexin V Protein

Catalog Number:	604205, 604206
Size:	25 tests, 100 tests
Target Name:	Annexin A5
Regulatory Status:	RUO

PRODUCT DETAILS

Application:	Flow Cytometry
Format:	FITC
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 FITC.
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
Protein Concentration:	Supplied at a lot-specific concentration.
Storage and Handling:	The protein solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. 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. FITC has an excitation max at 493 nm and an emission max at 525 nm.
Excitation Laser:	Blue Laser (488 nm)

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