Human Annexin V/ANXA5 Protein

Cat. No. AN5-HE005

Description

Source	Recombinant Human Annexin V/ANXA5 Protein is expressed from E.coli without tag.
	It contains Ala2-Asp320.
Accession	P08758
Molecular Weight	The protein has a predicted MW of 35.9 kDa same as Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

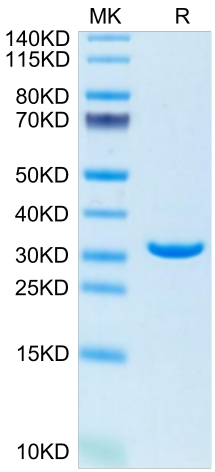
Formulation	Lyophilized from 0.22 μm filtered solution in 50mM Tris, 240mM NaCl (pH 8.5). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Propidium iodide (PI) is widely used in conjunction with Annexin V to determine if cells are viable, apoptotic, or necrotic through differences in plasma membrane integrity and permeability. The Annexin V/PI protocol is a commonly used approach for studying apoptotic cells. PI is used more often than other nuclear stains because it is economical, stable and a good indicator of cell viability, based on its capacity to exclude dye in living cells.

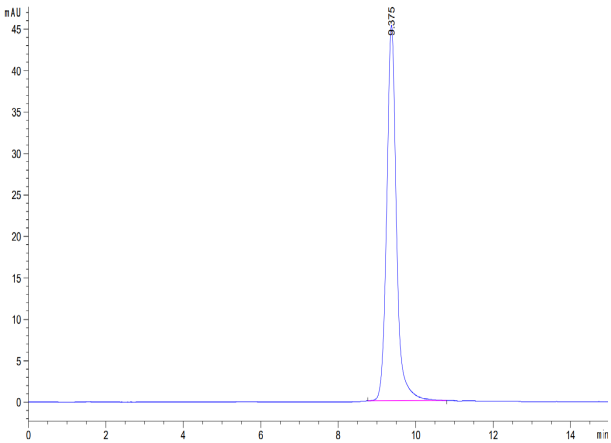
Assay Data

Bis-Tris PAGE



Human Annexin V on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human Annexin V is greater than 95% as determined by SEC-HPLC.