

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 Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

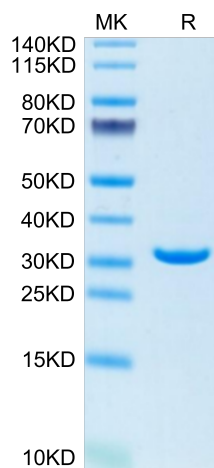
Formulation	Supplied as 0.22µm filtered solution in 50mM Tris, 240mM NaCl (pH 8.5).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

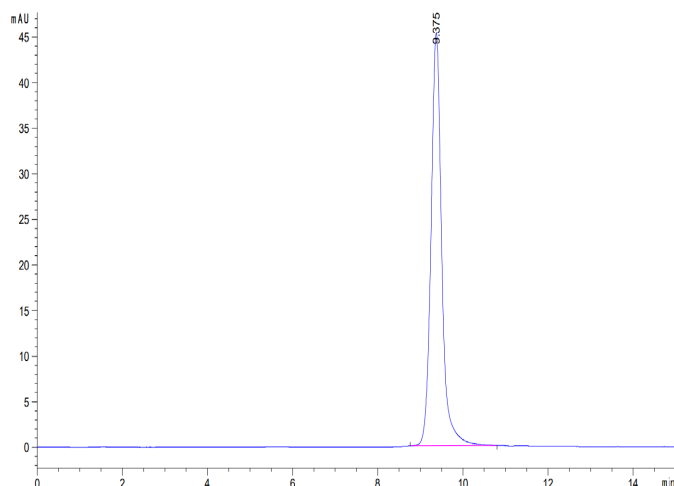
Assay Data

Tris-Bis PAGE



Human Annexin V/ANXA5 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human Annexin V/ANXA5 is greater than 95% as determined by SEC-HPLC.