

Human Annexin V/ANXA5 Protein



Cat. No. AN5-HE005

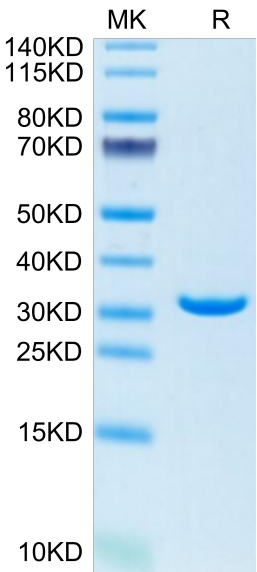
| Description      |   |
|------------------|---|
| Source           | Recombinant Human Annexin V/ANXA5 Protein is expressed from E.coli without tag.<br>It contains Ala2-Asp320. |
| Accession        | P08758  |
| Molecular Weight | The protein has a predicted MW of 35.9 kDa same as Bis-Tris PAGE result.                                    |
| Endotoxin        | Less than 1 EU per µg by the LAL method.  |
| Purity           | > 95% as determined by Bis-Tris PAGE<br>> 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          | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.   |
| 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%.

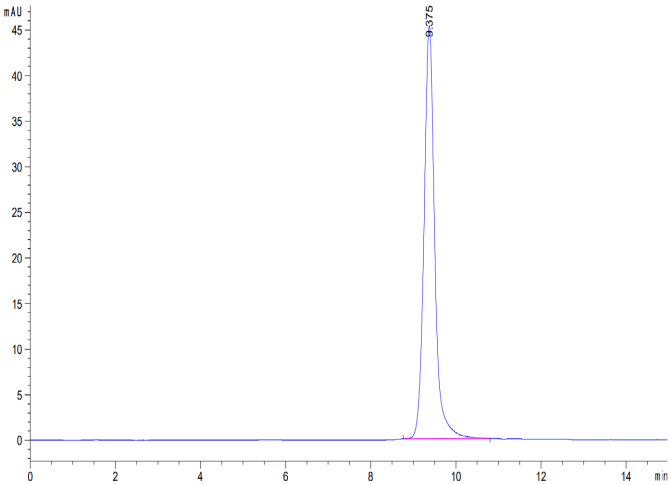
SEC-HPLC

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Assay Data



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