

Mouse AFP Protein

Cat. No. AFP-MM101



Description

| | |
|------------------|---|
| Source | Recombinant Mouse AFP Protein is expressed from HEK293 with His tag at the C-Terminus. |
| | It contains Lys19-Val605. |
| Accession | P02772 |
| Molecular Weight | The protein has a predicted MW of 66.40 kDa. Due to glycosylation, the protein migrates to 68-72 kDa based on Bis-Tris PAGE result. |
| Endotoxin | Less than 1 EU per µg by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE |
| | > 95% as determined by HPLC |

Formulation and Storage

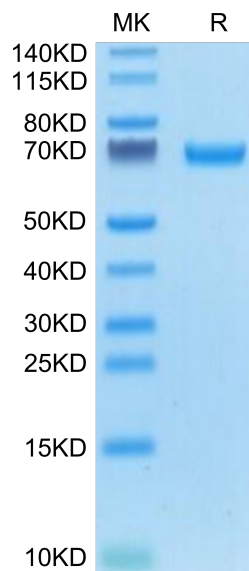
| | |
|----------------|---|
| Formulation | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed 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

Alpha-fetoprotein is a shuttle protein that delivers nutrients through receptor-mediated endocytosis to embryonic cells. In adults, alpha-fetoprotein can shuttle drugs into alpha-fetoprotein receptor-positive myeloid-derived suppressor, regenerating and also cancer cells. Drugs with high-binding affinity to alpha-fetoprotein can activate or deplete targeted cells. Myeloid-derived suppressor cells activation leads to immune suppression that can be used for treating autoimmune diseases.

Assay Data

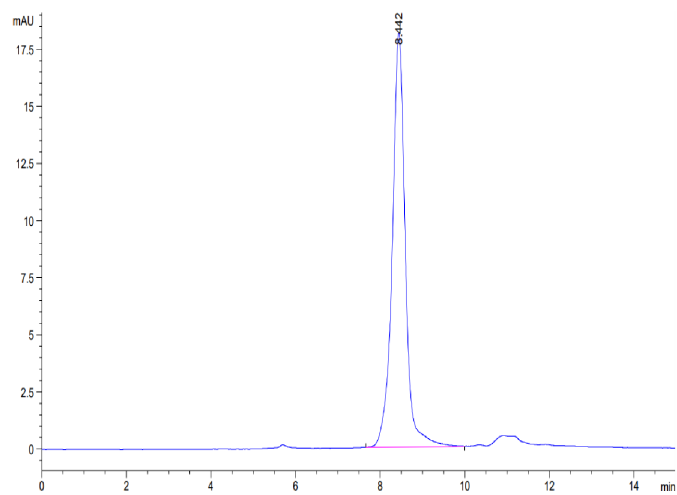
Bis-Tris PAGE



Mouse AFP on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Mouse AFP is greater than 95% as determined by SEC-HPLC.