

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

Formulation and Storage

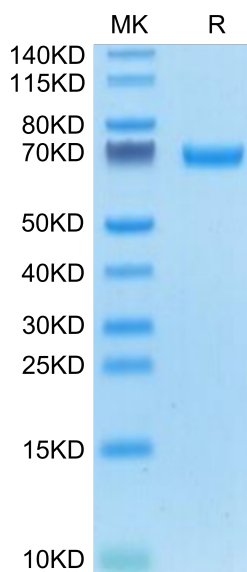
Formulation	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

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

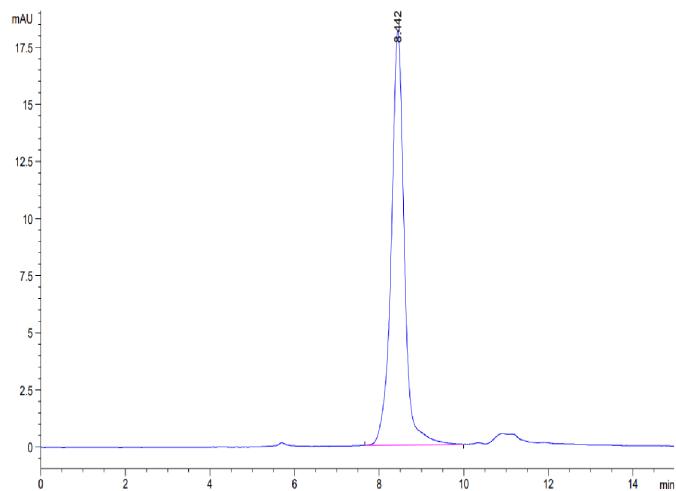
Bis-Tris PAGE



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.