Biotinylated Cynomolgus FAP Protein

Cat. No. FAP-CM401B

Description

Source	Recombinant Biotinylated Cynomolgus FAP Protein is expressed from HEK293 with His tag and Avi tag at the N-Terminus.
	It contains Leu26-Asp760.
Accession	XP_005573377
Molecular Weight	The protein has a predicted MW of 88 kDa. Due to glycosylation, the protein migrates to 90-110 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

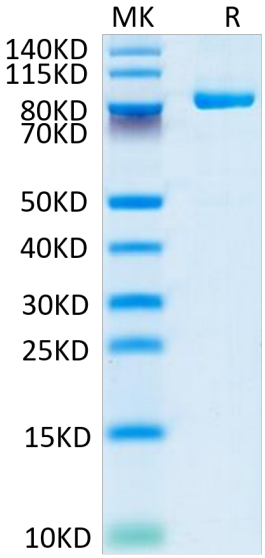
Formulation	Lyophilized from 0.22 μm filtered solution in 20mM Tris, 500mM NaCl, 200mM L-arginine (pH 8.2). Normally 8% mannitol is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
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

Fibroblast activation protein (FAP) is a serine protease that has been reported in fibroblasts and some carcinoma cells, which correlates with poor patient outcomes. FAP can be induced under hypoxia which is also vital in the malignant behaviors of cancer cells.

Assay Data

Bis-Tris PAGE



Biotinylated Cynomolgus FAP on Bis-Tris PAGE under reduced conditions. The purity is greater than 95%.

SEC-HPLC

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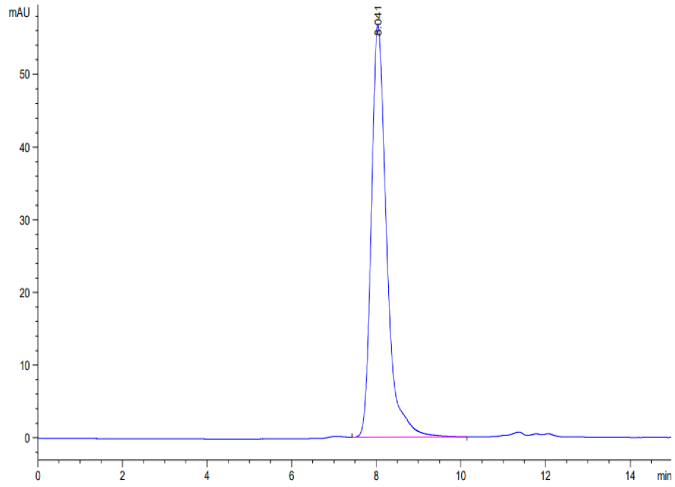
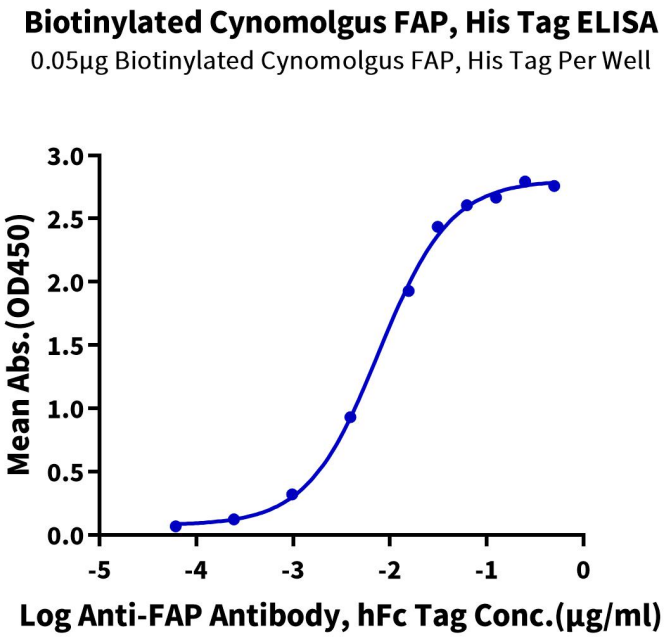
Assay Data



The purity of Biotinylated Cynomolgus FAP is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Biotinylated Cynomolgus FAP, His Tag at 0.5μg/ml (100μl/well) on the streptavidin precoated plate (5μg/ml). Dose response curve for Anti-FAP Antibody, hFc Tag with the EC50 of 7.7ng/ml determined by ELISA (QC Test).