Cynomolgus FAP Protein

Cat. No. FAP-CM101

Description

Source	Recombinant Cynomolgus FAP Protein is expressed from HEK293 with His tag at the N-Terminus.
	It contains Leu26-Asp760.
Accession	XP_005573377
Molecular Weight	The protein has a predicted MW of 86.2 kDa. Due to glycosylation, the protein migrates to 80-100 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

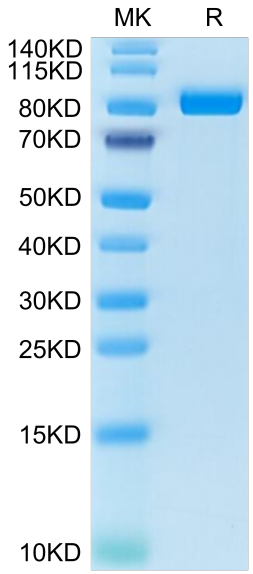
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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

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



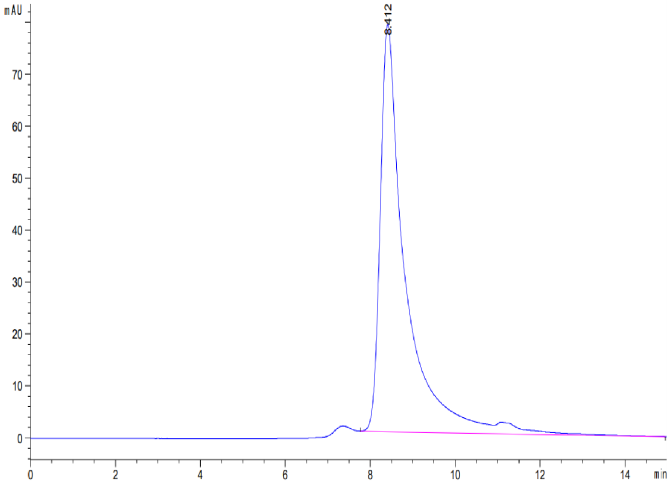
Cynomolgus FAP on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Cynomolgus FAP Protein

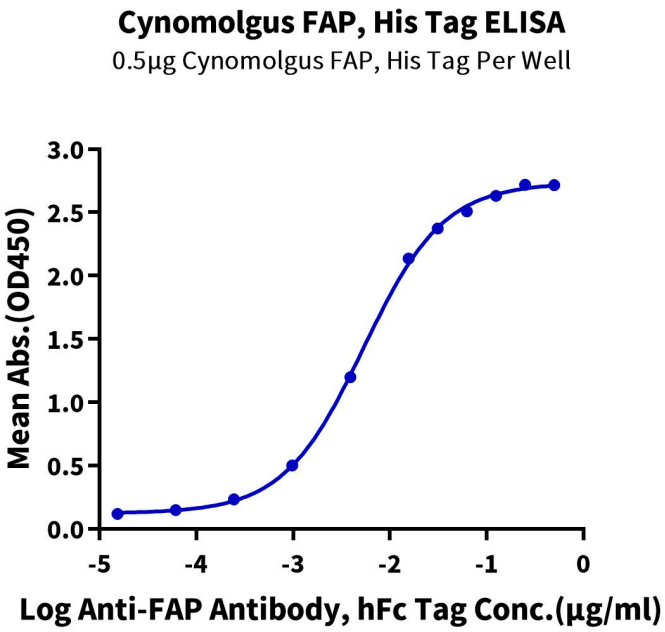
Cat. No. FAP-CM101

Assay Data



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

ELISA Data



Immobilized Cynomolgus FAP at 5μg/ml (100μl/well) on the plate. Dose response curve for Anti-FAP Antibody, hFc Tag with the EC50 of 5.3ng/ml determined by ELISA (QC Test).

Bioactivity Data

Measured by its ability to convert the substrate benzyloxycarbonyl-Gly-Pro-7-amido-4-methylcoumarin (Z-GP-AMC) to Z-Gly-Pro and 7-amino-4-methylcoumarin (AMC). The specific activity is >2500 pmol/min/μg (QC Test).