

Cynomolgus FAP Protein

Cat. No. FAP-CM101

Description

Source	Recombinant Cynomolgus FAP Protein is expressed from Expi293 with His tag at the N-terminal. 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 Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

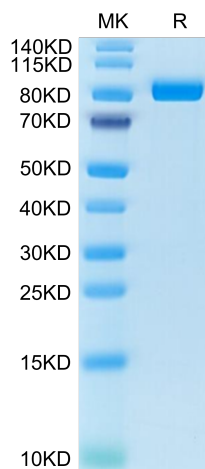
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid 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

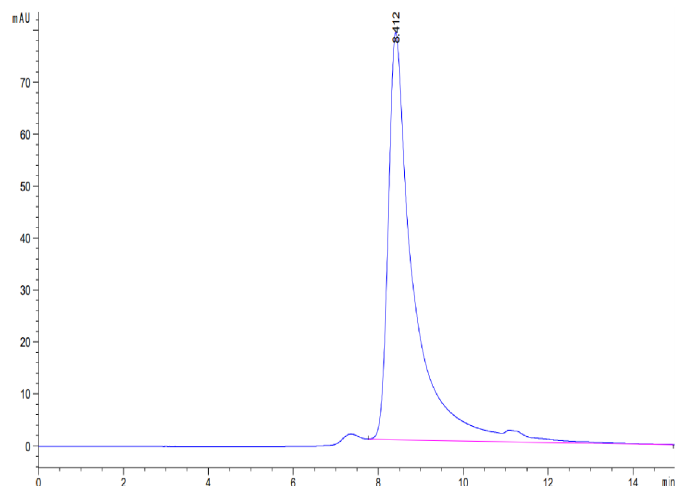
Tris-Bis PAGE



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

SEC-HPLC

Assay Data

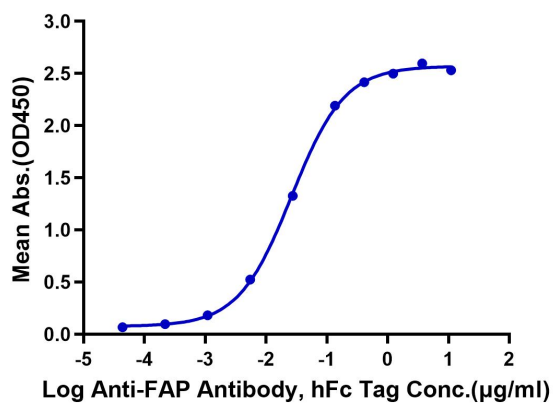


The purity of Cynomolgus FAP is greater than 95% as determined by SEC-HPLC.

ELISA Data

Cynomolgus FAP, His Tag ELISA

0.5 μ g Cynomolgus FAP, His Tag Per Well



Immobilized Cynomolgus FAP at 5 μ g/ml (100 μ l/well) on the plate. Dose response curve for Anti-FAP Antibody, hFc Tag with the EC50 of 26.3ng/ml determined by ELISA.

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 >1800 pmol/min/ μ g.