Cynomolgus APOH Protein

Cat. No. APH-CM101

Description

Source	Recombinant Cynomolgus APOH Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Gly20-Cys345.
Accession	XP_045230479.1
Molecular Weight	The protein has a predicted MW of 37.39 kDa. Due to glycosylation, the protein migrates to 50-65 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

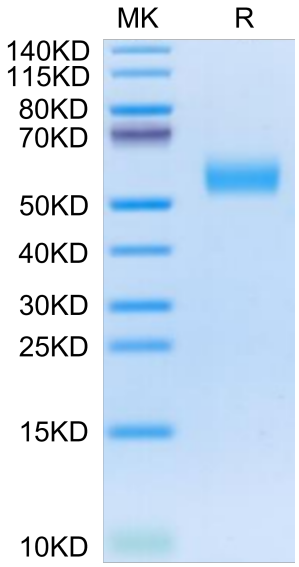
Formulation	Lyophilized from 0.22μm filtered solution in PBS, 100mM Arginine (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-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

Apolipoprotein (apo)H (also known as beta 2 glycoprotein-I) is a glycoprotein synthesized by liver cells and it is present in the blood associated with plasma lipoproteins. APOH displays a genetically determined structural polymorphism: three alleles (APOH*1, APOH*2, APOH*3) at a single locus on chromosome 17 code for different isoforms, and population studies have shown that APOH*2 is the most frequent allele.

Assay Data

Bis-Tris PAGE



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

SEC-HPLC

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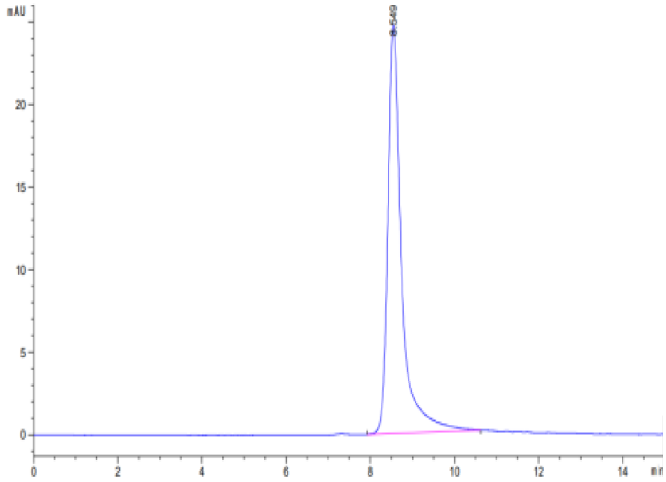
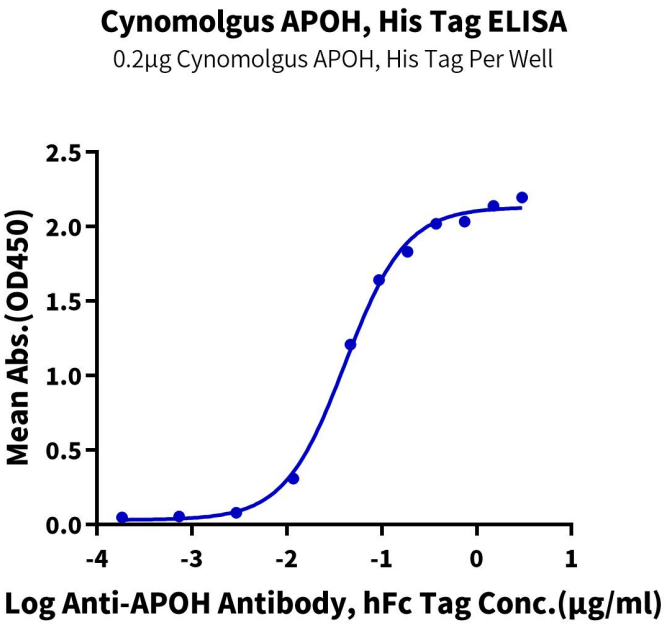
Assay Data



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

ELISA Data



Immobilized Cynomolgus APOH, His Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Anti-APOH Antibody, hFc Tag with the EC50 of 41.1ng/ml determined by ELISA (QC Test).