

# Cynomolgus APOH Protein

Cat. No. APH-CM101



## Description

<b>Source</b>	Recombinant Cynomolgus APOH Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly20-Cys345.
<b>Accession</b>	XP_045230479.1
<b>Molecular Weight</b>	The protein has a predicted MW of 37.39 kDa. Due to glycosylation, the protein migrates to 50-65 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

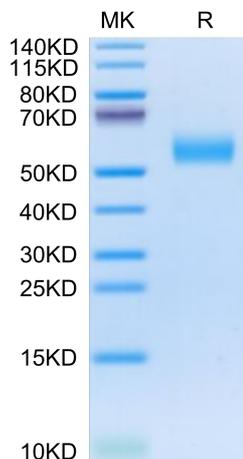
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS, 100mM Arginine (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days 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.

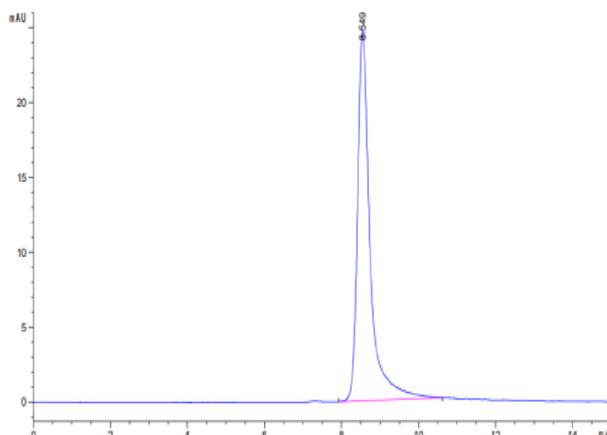
## Assay Data

### Tris-Bis PAGE



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

### SEC-HPLC



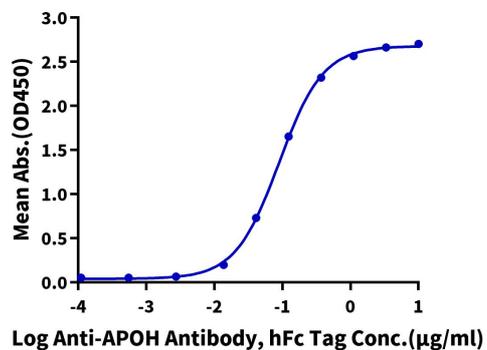
The purity of Cynomolgus APOH is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

**Cynomolgus APOH, His Tag ELISA**

0.1µg Cynomolgus APOH, His Tag Per Well



Immobilized Cynomolgus APOH, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-APOH Antibody, hFc Tag with the EC50 of 89.8ng/ml determined by ELISA.