

Human APOH Protein

Cat. No. APH-HM101



Description

Source	Recombinant Human APOH Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly20-Cys345.
Accession	P02749
Molecular Weight	The protein has a predicted MW of 37.4 kDa. Due to glycosylation, the protein migrates to 52-60 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU 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	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
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.

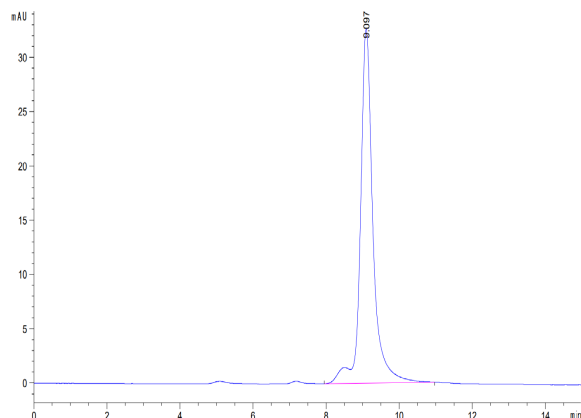
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



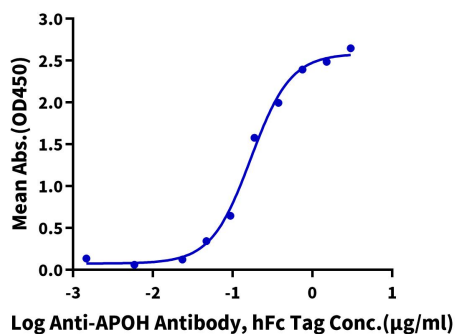
The purity of Human APOH is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human APOH, His Tag ELISA

0.5µg Human APOH, His Tag Per Well



Immobilized Human APOH, His Tag at 5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-APOH Antibody, hFc Tag with the EC50 of 0.17µg/ml determined by ELISA.