

Human APOH Protein

Cat. No. APH-HM201



Description

Source	Recombinant Human APOH Protein is expressed from HEK293 with hFc (IgG1) tag at the C-terminus.
	It contains Gly20-Cys345.
Accession	P02749
Molecular Weight	The protein has a predicted MW of 62.20 kDa. Due to glycosylation, the protein migrates to 80-95 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 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 0.22 µm 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

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.

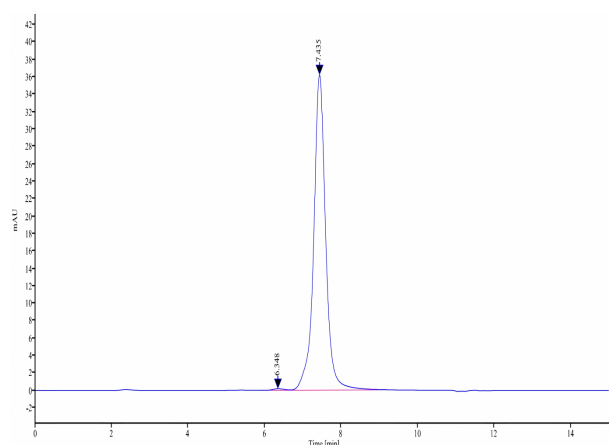
Assay Data

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.

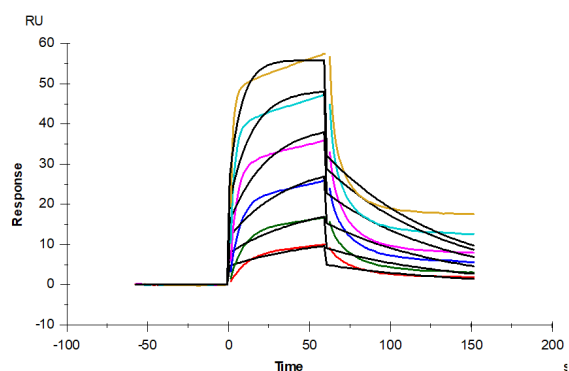
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Assay Data

SPR Data



Biotinylated Anti-APOH Antibody, hFc-Avi Tag captured on CM5 Chip via Streptavidin can bind Human APOH, hFc Tag with an affinity constant of 11.10 nM as determined in SPR assay (Biacore T200).