Mouse APOE/Apolipoprotein E Protein, Ultra Low Endotoxin

Cat. No. APO-MM202-UL

Description

Source	Recombinant Mouse APOE/Apolipoprotein E Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Glu19-Gln311.
Accession	P08226
Molecular Weight	The protein has a predicted MW of 60.7 kDa. Due to glycosylation, the protein migrates to 62-66 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 90% as determined by HPLC

Formulation and Storage

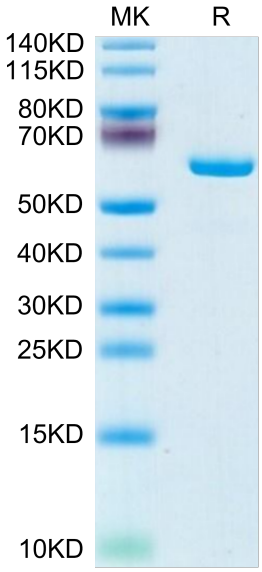
Formulation	Lyophilized from 0.22μm filtered solution in 20mM PB, 150mM NaCl (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-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 E (apoE) is a lipid carrier in both the peripheral and the central nervous systems. Lipid-loaded apoE lipoprotein particles bind to several cell surface receptors to support membrane homeostasis and injury repair in the brain. Considering prevalence and relative risk magnitude, the ε4 allele of the APOE gene is the strongest genetic risk factor for late-onset Alzheimer's disease (AD).

Assay Data

Bis-Tris PAGE



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

SEC-HPLC

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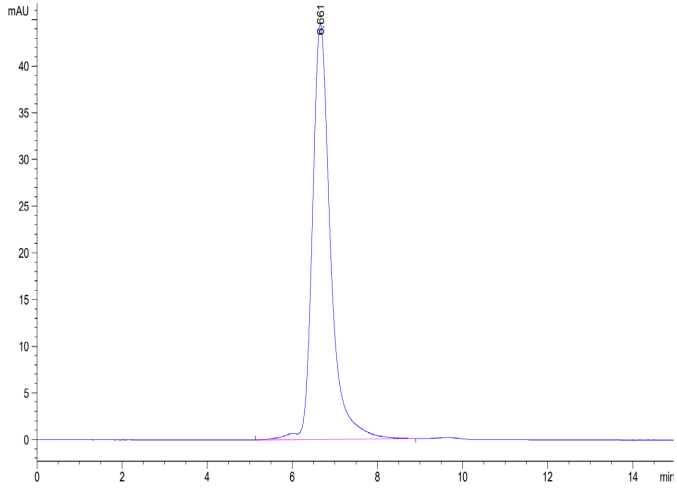

The purity of Mouse APOE is greater than 90% as determined by SEC-HPLC.