

# Mouse APOE/Apolipoprotein E Protein

Cat. No. APO-MM202

## Description

<b>Source</b>	Recombinant Mouse APOE/Apolipoprotein E Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Glu19-Gln311.
<b>Accession</b>	P08226
<b>Molecular Weight</b>	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.
<b>Endotoxin</b>	Less than 0.1 EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC

## Formulation and Storage

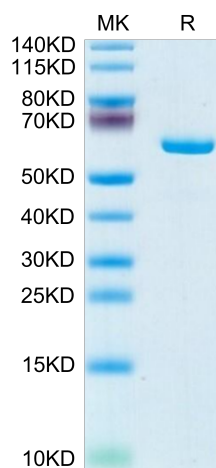
<b>Formulation</b>	Supplied as 0.22 $\mu\text{m}$ filtered solution in 20mM PB, 150mM NaCl (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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  $\epsilon 4$  allele of the APOE gene is the strongest genetic risk factor for late-onset Alzheimer's disease (AD).

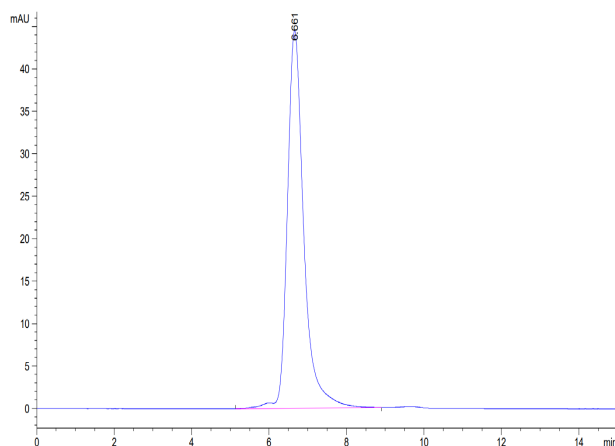
## Assay Data

### Bis-Tris PAGE



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

### SEC-HPLC



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