

Mouse APOE/Apolipoprotein E Protein

Cat. No. APO-MM102

Description

Source	Recombinant Mouse APOE/Apolipoprotein E Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Glu19-Gln311.
Accession	P08226
Molecular Weight	The protein has a predicted MW of 35.1 kDa same as Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

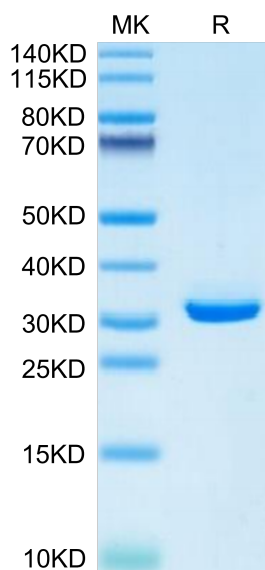
Formulation	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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 ε4 allele of the APOE gene is the strongest genetic risk factor for late-onset Alzheimer's disease (AD).

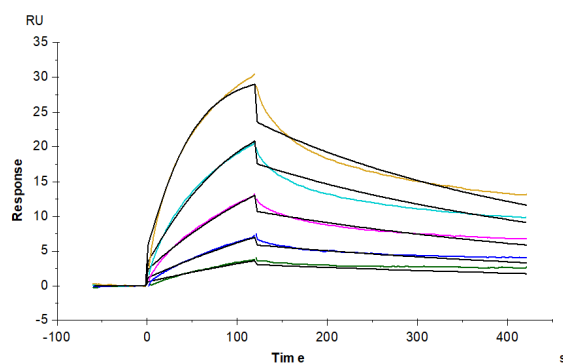
Assay Data

Bis-Tris PAGE



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

SPR Data



Mouse LILRB4, His Tag immobilized on CM5 Chip can bind Mouse APOE, His Tag with an affinity constant of 5.08 nM as determined in SPR assay (Biacore T200).