

Product Information

Recombinant Anti-Human apoe Antibody

Cat. No.: **MOM-18278**

This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody is specific to Human APOE, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

Mediates the binding, internalization, and catabolism of lipoprotein particles. It can serve as a ligand for the LDL (apo B/E) receptor and for the specific apo-E receptor (chylomicron remnant) of hepatic tissues.

Specific Activity

Tested positive against native antigen.

Target

APOE

Immunogen

Synthetic peptide spanning the polymorphic amino acid position 158 of ApoE.

Source

Mouse

Species Reactivity

Human

Type

IgG

Expression Host

CHO

Purity

>95.0% as determined by analysis by SDS-PAGE.

Applications

Suitable for use in IP, IF, FuncS, FC, Neut, ELISA, IHC and most other immunological methods.

Storage

Store at -20°C for long-term storage. Store at 2-8°C for up to one month. Avoid freeze/thaw cycles.

ANTIGEN GENE INFORMATION

Gene Name

[APOE apolipoprotein E \[Homo sapiens \]](#)

Official Symbol

APOE

Synonyms

APOE; apolipoprotein E; AD2, Alzheimer disease 2 (APOE*E4 associated, late onset); apo-E; apolipoprotein E3; AD2; LPG; LDLCQ5; MGC1571

Gene ID

[348](#)

mRNA Refseq

[NM_000041](#)

Protein Refseq

[NP_000032](#)

UniProt ID

P02649

Chromosome Location

19q13.31

Pathway

Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Chylomicron-mediated lipid transport, organism-specific biosystem; HDL-mediated lipid transport, organism-specific biosystem; Lipid digestion, mobilization, and transport, organism-specific biosystem; Lipoprotein metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem;

Function

antioxidant activity; beta-amyloid binding; cholesterol transporter activity; heparin binding; identical protein binding; lipid binding; lipid transporter activity; lipoprotein particle binding; low-density lipoprotein particle receptor binding; low-density lipoprotein particle receptor binding; metal chelating activity; phosphatidylcholine-sterol O-acyltransferase activator activity; phospholipid binding; protein binding; protein heterodimerization activity; protein homodimerization activity; tau protein binding; very-low-density lipoprotein particle receptor binding; very-low-density lipoprotein particle receptor binding;