

Product Information

Recombinant Anti-Human apoe Antibody Fab Fragment

Cat. No.: **MOM-18278-F(P)**

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

Product Overview

Recombinant Mouse Antibody Fab Fragment is against Human APOE, expressed in E. coli

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

Fab

Expression Host

E. coli

Purity

>95%, by SDS-PAGE with silver staining, under reducing conditions.

Applications

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

Storage

Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated 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;