SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

Recombinant Anti-Human apoe Antibody Fab Fragment

Cat. No.: **MOM-18278-F(E)**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody Fab Fragment is directed against 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

Fab

Expression Host

CHO

Purity

>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.

Applications

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

Storage

Store it under sterile conditions at -20°C upon receiving. Recommend to pack the protein into smaller quantities for optimal storage.

ANTIGEN GENE INFOMATION

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;

SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com