

Anti-Apo E [2E8] Bulk Size Ab03940-23.0-BT

Isotype and Format: Rabbit IgG, Kappa

Clone Number: 2E8

Alternative Name(s) of Target: ApoE; Apolipoprotein E

UniProt Accession Number of Target Protein: P02649

Published Application(s): Block, ELISA

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing BALB/c mice with human apoE3.

Specificity: This antibody binds the LDL binding site 'RLASHLRKLRKLLR' of the human apolipoprotein E. This antibody binds well with apoE3 and poorly with apoE2. Apolipoprotein E (apoE), a 299 amino acid lipoprotein, is a ligand for the low density lipoprotein receptor (LDLr). APO E is involved in the metabolism of fats and it is implicated in the Alzheimer's disease and cardiovascular diseases. It mainly functions in lipoprotein-mediated lipid transport between organs via the plasma and interstitial fluids.

Application Notes: This antibody was reported to binds to apoE and blocks apoE-mediated binding of lipoproteins to the low density lipoprotein receptor (LDLr). It was also reported that this antibody resembles LDLr in showing reduced reactivity against apoE (Arg158Cys). The reactivity of this antibody to various apoE variants was determined using ELISA (PMID: 8558079). This antibody partially blocked the binding of apoE isoforms to the immobilized VLDL receptor (PMID: 15863833).

Antibody First Published in: Raffai et al. Molecular characterization of two monoclonal antibodies specific for the LDL receptor-binding site of human apolipoprotein E. J Lipid Res. 1995 Sep;36(9):1905-18.
[PMID:8558079](#)

Note on publication: Describes the generation and characterization of antibodies against the LDL receptor-binding site of human apolipoprotein E.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration:

1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.