

Anti-Apo E [1D7] Standard Size Ab01194-1.1

Isotype and Format: Mouse IgG1, Kappa

Clone Number: 1D7

Alternative Name(s) of Target: Human apolipoprotein E

UniProt Accession Number of Target Protein: P02649

Published Application(s): RIA, SPR, ELISA

Published Species Reactivity: Human

Immunogen: BALB/c mice were used, were injected twice with 50 µg of purified apo E 1 week apart.

Specificity: Is specific for the human apolipoprotein E antigen, and appears to be sensitive to lysine modifications and binds very poorly to carbamylated Apo E. The epitope corresponds to the LDLr binding site on Apo E, and incorporation into lipid vesicles does not affect its immunoreactivity.

Application Notes: The binding specificity of this antibody has been confirmed using a radioimmunoassay showing it to be specific to Apo E using a radioimmunoassay which is sensitive to carbamylation and methylation (Milne et al, 1981). Surface plasmon resonance has been used to analyse the kinetics of the binding of 1D7 (Raffai et al, 1995). Sandwich assays have also been used to determine the epitope 1D7 binds to.

Antibody First Published in: Milne et al Characterization of Monoclonal Antibodies against Human Apolipoprotein E J Clin Invest. 1981 Jul;68(1):111-7. [PMID:8558079](#)

Note on publication: Describes the generation of a number of different antibodies against human lipoprotein E, most of which are insensitive to chemical changes to Apo E, but one of which (1D7) is sensitive to chemical changes.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. 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.