

Product datasheet for R1036P

Apolipoprotein E (APOE) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, IP, WB
Recommended Dilution:	Anti-ApoLipoprotein antibodies have been used for indirect trapping ELISA for quantitation of antigen in serum using a standard curve, for immunoprecipitation and for western blotting for highly sensitive qualitative analysis. <u>Recommended dilutions:</u> ELISA: 1/4,000-1/8,000 Western blot: 1/500-1/2,000 Immunoprecipitation: 1/100 Immunohistochemistry: 1/50-1/200
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Apolipoprotein Type E was isolated from Human plasma by density gradient centrifugation followed by HPLC purification.
Specificity:	This product has been prepared by Immunoaffinity chromatography using immobilized antigens followed by extensive cross-adsorption against other Apolipoproteins and human serum proteins to remove any unwanted specificities. Typically less than 1% cross reactivity against other types of apoLipoprotein was detected by ELISA against purified standards. This antibody reacts with human Apolipoprotein E and has negligible cross-reactivity with Type A-1 A-II, B, C-I, C-II, C-III and J Apolipoproteins. Specific cross reaction of anti-Apolipoprotein antibodies with antigens from other species has not been determined. Non-specific cross reaction of anti-Apolipoprotein antibodies with other human serum proteins is negligible.
Formulation:	0.125M Sodium Borate, 0.075M Sodium Chloride, 0.005M EDTA, pH 8.0, containing 0.01% Sodium Azide as preservative State: Purified State: Liquid (sterile filtered) purified Ig fraction
Concentration:	lot specific



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Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for up to one month. For extended storage, mix with an equal volume of Glycerol, aliquots contents and freeze at -20°C or below. Avoid repeated freezing and thawing. Dilute only prior to immediate use.
Stability:	Shelf life one year from despatch.
Gene Name:	apolipoprotein E
Database Link:	Entrez Gene 348 Human P02649
Background:	Apolipoprotein E is essential for the normal catabolism of triglyceride rich lipoprotein constituents. The apolipoprotein E gene is mapped to chromosome 19 in a cluster with APOC1 and APOC2. Defects in Apolipoprotein E result in familial dysbetalipoproteinemia, or type III hyperlipoproteinemia (HLP III), in which increased plasma cholesterol and triglycerides are the consequence of impaired clearance of chylomicron and VLDL remnants. Mutations in the APOE gene confer susceptibility to Alzheimer's disease by affecting amyloid-beta deposition.
Synonyms:	ApoE, Apo-E