

Product datasheet for **AP01142BT-S**

Apolipoprotein E (APOE) (Isoform E3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Direct ELISA: To detect Human ApoE3 by Direct ELISA (using 100 µl/well antibody solution) a concentration of ~1.0 µg/ml of this antibody is required. This Biotinylated polyclonal antibody allows the detection of at least 0.2-0.4 ng/well of recombinant Human ApoE3. Sandwich ELISA: To detect Human ApoE3 by Sandwich ELISA (using 100 µl/well) a concentration of 0.25-1.0 µg/ml of this antibody is required. This Biotinylated antibody, in conjunction with Affinity purified anti-Human ApoE3 (AP01142PU-N or AP01142PU-S) as a capture antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Human ApoE3. Western blot: To detect Human ApoE3 this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human ApoE3 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	<i>E.Coli</i> derived recombinant Human ApoE3.
Specificity:	This antibody detects ApoE3. Cross reacts with Human ApoE2 and Human ApoE4 in both Sandwich ELISA and Western Blot.
Formulation:	PBS, pH 7.2 without preservatives. Label: Biotin State: Lyophilized (sterile filtered) purified Ig fraction.
Reconstitution Method:	Restore in sterile PBS containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography.
Conjugation:	Biotin
Storage:	Store the lyophilized antibody at -20°C. Following reconstitution it is stable for two weeks at 2-8°C. Frozen aliquots are stable for 6 months when stored at -20°C. Avoid repeated freezing and thawing.



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Stability:	Shelf life: 6 month from despatch.
Gene Name:	apolipoprotein E
Database Link:	Entrez Gene 348 Human P02649
Background:	Apolipoprotein E3 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.
Synonyms:	ApoE, Apo-E
Note:	Centrifuge vial prior to opening. Molecular Weight: ~150 kDa