

Datasheet for ABIN6963938
anti-APOE antibody (Biotin)

5 Publications



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Overview

Quantity:	1 mg
Target:	APOE
Reactivity:	Human, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This APOE antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, ELISpot

Product Details

Immunogen:	Purified human apolipoprotein E
Clone:	E887
Isotype:	IgG1
Specificity:	Native and recombinant apolipoprotein E (isoforms apoE2, apoE3 and apoE4).
Cross-Reactivity (Details):	The monoclonal antibody cross-reacts with apoE from non-human primates.
Purification:	Purified from in vitro cultures by protein G affinity chromatography.

Target Details

Target:	APOE
Alternative Name:	apoE (APOE Products)
Gene ID:	348

Target Details

Pathways: [Regulation of Cell Size, Lipid Metabolism](#)

Application Details

Application Notes: For quantification of apoE in serum/plasma samples and cell culture supernatants using ELISA and for enumeration of human apoE producing cells using ELISpot. E887 is recommended as detection mAb in combination with coating mAb E276 . The antibody is also suitable for immunoprecipitation and Western blot.

Comment: Biotinylated through reaction with a N-hydroxysuccinimide ester of biotin.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 mg/mL

Buffer: supplied at 0.5 mg/mL in PBS with 0.02 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store product at 4-8°C or frozen at -20°C or below. Avoid repeated freezing/ thawing.

Expiry Date: 18 months

Publications

Product cited in: Bissig-Choisat, Wang, Legras, Saha, Chen, Bell, Pankowicz, Hill, Barzi, Leyton, Leung, Kruse, Himes, Goss, Wilson, Chan, Lagor, Bissig: "Development and rescue of human familial hypercholesterolaemia in a xenograft mouse model." in: **Nature communications**, Vol. 6, pp. 7339, (2015) ([PubMed](#)).

Bankwitz, Vieyres, Hueging, Bitzegeio, Doepke, Chhatwal, Haid, Catanese, Zeisel, Nicosia, Baumert, Kaderali, Pietschmann: "Role of hypervariable region 1 for the interplay of hepatitis C virus with entry factors and lipoproteins." in: **Journal of virology**, Vol. 88, Issue 21, pp. 12644-55, (2014) ([PubMed](#)).

Braesch-Andersen, Paulie, Smedman, Mia, Kumagai-Braesch: "ApoE production in human monocytes and its regulation by inflammatory cytokines." in: **PLoS ONE**, Vol. 8, Issue 11, pp. e79908, (2014) ([PubMed](#)).

Handattu, Nayyar, Garber, Palgunachari, Monroe, Keenum, Mishra, Datta, Anantharamaiah: "Two apolipoprotein E mimetic peptides with similar cholesterol reducing properties exhibit differential atheroprotective effects in LDL-R null mice." in: **Atherosclerosis**, Vol. 227, Issue 1, pp. 58-64, (2013) ([PubMed](#)).

Liu, Kuhel, Shen, Hui, Woods: "Apolipoprotein E does not cross the blood-cerebrospinal fluid barrier, as revealed by an improved technique for sampling CSF from mice." in: **American journal of physiology. Regulatory, integrative and comparative physiology**, Vol. 303, Issue 9, pp. R903-8, (2013) ([PubMed](#)).