OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AM09105PU-N

Apolipoprotein E (APOE) Mouse Monoclonal Antibody [Clone ID: IB5-E1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	IB5-E1
Applications:	ELISA, WB
Recommended Dilution:	**ELISA.** **Western Blot:** 1/200 with PBS, pH 7.4 for Immunoblotting (ECL).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human Apolipoprotein E
Specificity:	This antibody reacts with all isoforms E2, E3, E4 of Human Apolipoprotein E (ApoE). The antibody detects a 38 kDa band in Western Blotting.
Formulation:	PBS, pH 7.4 State: Aff - Purified State: Lyophilised purified IgG fraction Stabilizer: 0.5% BSA Preservative: 0.09% Sodium Azide
Reconstitution Method:	Restore in 1 ml distilled water
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	apolipoprotein E
Database Link:	Entrez Gene 348 Human P02649

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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
Protein Families:	Adult stem cells, Druggable Genome, Secreted Protein, Stem cell - Pluripotency
Protein Pathways:	Alzheimer's disease