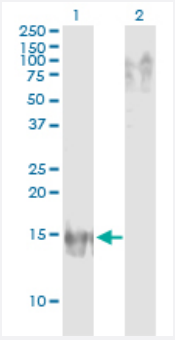
APOB monoclonal antibody (M14), clone 3E5

Catalog # H00000338-M14 Size 100 ug

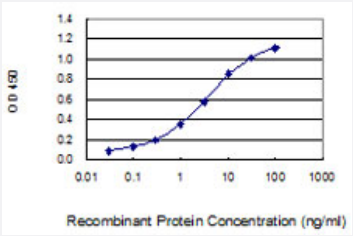
Applications



Western Blot (Transfected lysate)

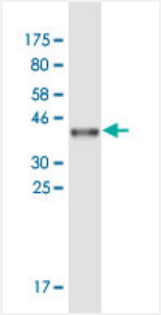
Western Blot analysis of APOB expression in transfected 293T cell line by APOB monoclonal antibody (M14), clone 3E5.

Lane 1: APOB transfected lysate (Predicted MW: 11.11 KDa).
Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged APOB is 0.03 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant APOB.

Immunogen	APOB (NP_000375.1, 28 a.a. ~ 127 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	EEEMLENVSLVCPKDATRFKHLRKYTYNYEAESSSGVPGTADSRSATRINCKVELEVPQLCSFILK TSQCTLKEVYGFNPEGKALLKKTKNSEEFAAAMS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (85); Rat (83)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

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  Lane 1: APOB transfected lysate (Predicted MW: 11.11 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged APOB is 0.03 ng/ml as a capture antibody.

  Protocol Download

- ELISA

Gene Info — APOB

Entrez GeneID	338
GeneBank Accession#	NM_000384
Protein Accession#	NP_000375.1
Gene Name	APOB
Gene Alias	FLDB
Gene Description	apolipoprotein B (including Ag(x) antigen)
Omim ID	107730 144010
Gene Ontology	Hyperlink
Gene Summary	This gene product is the main apolipoprotein of chylomicrons and low density lipoproteins. It occurs in plasma as two main isoforms, apoB-48 and apoB-100: the former is synthesized exclusively in the gut and the latter in the liver. The intestinal and the hepatic forms of apoB are encoded by a single gene from a single, very long mRNA. The two isoforms share a common N-terminal sequence. The shorter apoB-48 protein is produced after RNA editing of the apoB-100 transcript at residue 2180 (CAA->UAA), resulting in the creation of a stop codon, and early translation termination. Mutations in this gene or its regulatory region cause hypobetalipoproteinemia, normotriglyceridemic hypobetalipoproteinemia, and hypercholesterolemia due to ligand-defective apoB, diseases affecting plasma cholesterol and apoB levels. [provided by RefSeq
Other Designations	OTTHUMP00000115994|apoB-100|apoB-48|apolipoprotein B|apolipoprotein B48

Disease

- Abortion
- Acute Disease
- Altitude Sickness
- Alzheimer disease
- Amyotrophic lateral sclerosis
- Anemia
- Angina Pectoris
- Aortic Valve Stenosis

- Arteriosclerosis
- Asthenozoospermia
- Atherosclerosis
- Azoospermia
- beta-Thalassemia
- Biliary Tract Neoplasms
- Blood Coagulation Disorders
- Body Weight
- Brain Ischemia
- Calcinosis
- Cardiovascular Diseases
- Carotid Artery Diseases
- Cerebral Hemorrhage
- Cerebral Infarction
- Cerebrovascular Accident
- Cholecystolithiasis
- Cholelithiasis
- Chorioamnionitis
- Chromosome Disorders
- Chronic Disease
- Cleft Lip
- Cleft Palate
- Constriction
- Coronary Artery Disease
- Coronary Disease
- Coronary Stenosis

- Dementia
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Nephropathies
- Diabetic Neuropathies
- Diseases in Twins
- Ductus Arteriosus
- Dyslipidemias
- Edema
- Essential tremor
- Femur Head Necrosis
- Fetal Death
- Fetal Growth Retardation
- Fetal Membranes
- Gallbladder Diseases
- Gallbladder Neoplasms
- Gallstones
- Genetic Predisposition to Disease
- Hepatitis C
- Holoprosencephaly
- Hypercholesterolemia
- Hyperlipidemia
- Hyperlipidemias
- Hyperlipoproteinemia Type II
- Hyperlipoproteinemias
- Hypertension

- Hypertriglyceridemia
- Hypertrophy
- Hypobetalipoproteinemias
- Hypoxia-Ischemia
- Infant
- Inflammation
- Inflammatory Bowel Diseases
- Insulin Resistance
- Intracranial Arteriosclerosis
- Ischemia
- Kidney Diseases
- Kidney Failure
- Lung Neoplasms
- Lymphoma
- Metabolic Syndrome X
- Myocardial Infarction
- Myocardial Ischemia
- Neoplasms
- Nephrotic Syndrome
- Obesity
- Obstetric Labor
- Oligospermia
- Osteoporosis
- Peripheral Vascular Diseases
- Phenylketonuria
- Phenylketonurias

- Postoperative Complications
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Psychiatric Status Rating Scales
- Pulmonary Disease
- Rare Diseases
- Recurrence
- Renal Insufficiency
- Schizophrenia
- Spina Bifida Cystica
- Stomach Neoplasms
- Stroke
- Thrombophilia
- Thrombosis
- Tobacco Use Disorder
- Translocation
- Urinary Bladder Neoplasms
- Vascular Diseases
- Virilism
- Werner syndrome