Native Human ApoB

Cat. No. ApoB-3556H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	Human Plasma
Description	Purified native Human ApoB proteinApolipoprotein B is the dominant protein constituent of LDL. The concentration of Apo B in normal plasma is 90 mg per 100 ml. Apo B is thought to stabilize lipid emulsions, serve as a cofactor and modulator of enzymatic reactions, manage export of lipids out of cells and direct lipids to target organs. Apo B levels are positively correlated with the risk of coronary disease. Apo B levels may be a more sensitive predictor of cardiovascular risk than LDL levels and do not involve fasting for accurate measurement. Two forms of Apo B exist: Apo B-100 and Apo B-48. The first is found in VLDL and LDL and is produced by the liver. The second is found in chylomicrons and originates in the intestine..
Form	Essentially free of other plasma lipoproteins as determined by electrophoresis using Fat Red 7B stain for lipids and Coomassie Blue for proteins.
Molecular Mass	550 kDa
Purity	>95% pure by SDS-PAGE.
Notes	Small volumes of ApoB native protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the

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	vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice.
Storage	Store at 2-4 deg C. Do not freeze.
Warning	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name	APOB apolipoprotein B (including Ag(x) antigen) [Homo sapiens]
Official Symbol	APOB
Synonyms	APOB; apolipoprotein B (including Ag(x) antigen); apolipoprotein B-100; apoB-48; apoB-100; apo B-100; mutant Apo B 100; apolipoprotein B48; FLDB; LDLCQ4;
Gene ID	338
mRNA Refseq	NM_000384
Protein Refseq	NP_000375
UniProt ID	P04114
Chromosome Location	2p24-p23
Pathway	Cell surface interactions at the vascular wall, organism-specific biosystem; Chylomicron-mediated lipid transport, organism-specific biosystem; FOXA1 transcription factor network, organism-specific biosystem; Fat digestion and

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	absorption, organism-specific biosystem; Fat digestion and absorption, conserved biosystem; Hemostasis, organism-specific biosystem; LDL-mediated lipid transport, organism-specific biosystem;
Function	cholesterol transporter activity; enzyme binding; heparin binding; lipid transporter activity; low-density lipoprotein particle receptor binding; phospholipid binding; protein heterodimerization activity;

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