
Product Data Sheet

Product Name: APOB Human
Cat. No.: GP20052
Batch No.: 1

Product Data

Purity	>98%	Source	Human Plasma.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	APOB; APO-B; Apolipoprotein B.		
Solubility	It is recommended to reconstitute the lyophilized APOB in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The protein was lyophilized from a 0.5mg/ml solution of 50mM Na ₂ CO ₃ pH-10 containing 50mM NaCl and 10mM sodium deoxycholate.		

Introduction

ApoB is the main apolipoprotein of LDL, IDL, VLDL and chylomicrons particles that serves as the carrier of lipids (fat molecules), as well as cholesterol, in the water surrounding the cells within every tissue across the body. Though all the functional aspects of Apolipoprotein B within the LDL and other elements are considered to be rather uncertain, it serves as the key organizing protein of all other carriers of lipids. across LDL membranes, apolipoprotein B also serves as a ligand for LDL receptors in many cells across the body, meaning, it shows that lipid carriers that are set to cross into cells with Apolipoprotein B receptors, this is the way that lipids are transported within and into cells.

Stability

Lyophilized APOB although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution, APOB should be stored at 4°C between 2-7 days and for future use below -18°C . For long-term storage, it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Background

Human APOB produced from Human plasma having a molecular mass of 550 kDa.

Caution: Product has not been fully validated for medical applications. For research use only.

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