

LPA

Native Human Lipoprotein(a), Plasma

Catalog No.	CRA169A CRA169B	Quantity:	100 µg 1 mg
Alternate Names:	Lipoprotein(a), Lp(a), LPA, Apolipoprotein(a), Apo(a)		
Description:	Lipoprotein(a) [Lp(a)] consists of an LDL-like particle and the specific apolipoprotein(a). Lp(a) plasma concentrations are highly heritable. Lp(a) contributes to the process of atherogenesis. The structure of apolipoprotein(a) is similar to plasminogen and tPA (tissue plasminogen activator) and it competes with plasminogen for its binding site, leading to reduced fibrinolysis. Lp(a) stimulates secretion of PAI-1, it leads to thrombogenesis. Elevated Lp(a) correlates with coronary heart disease (CHD), cardiovascular disease (CVD), atherosclerosis, thrombosis, and stroke.		
UniProt ID:	P08519		
Source:	Human plasma		
Molecular Weight:	3,000-5,000 kDa		
Formulation:	20mM Tris, 90mM NaCl, 0.1M L-Proline, 0.05% NaN ₃ , pH 8.2 Note: formulation change for improved stability.		
Purity:	>95% by SDS-PAGE analysis, minor Apolipoprotein A1 contaminant. Essentially free of other plasma lipoproteins as determined by electrophoresis using a SPIFE Vis Cholesterol gel kit for lipids and Coomassie Blue for proteins.		
Lp(a) Concentration:	1.0 mg/ml, lot specific, based on Diazyme Lp(a) Assay		
Density:	1.063-1.10 g/ml		
Composition:	60 - 65% lipid, 27% protein, 8% carbohydrate		
Handling:	To ensure complete recovery of product, centrifuge vial briefly prior to opening.		
Storage & Stability:	Store unopened at 2-8°C for up to 1 year. DO NOT FREEZE.		
Infectious Disease Statement:	Prepared from plasma shown to be non-reactive for HIV-1/2, Hepatitis B surface antigen (HBsAg), Hepatitis C (HCV), Hepatitis A (HAV), and syphilis (RPR).		

SDS-PAGE of Lp(a)



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