

## Apolipoprotein B, Human Plasma, LDL

<b>Catalog No.</b>	CSI19783A	<b>Quantity:</b>	1.0 mg
	CSI19783B		2.5 mg

**Description:** Apolipoprotein 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. Prepared from fresh, non-frozen plasma shown to be non reactive for HbsAG, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests. >95 percent pure by SDS-PAGE. Add deionized water to original volume, aliquot and freeze unused portion.

**Concentration:** Lyophilized

**Source:** Human plasma

**Molecular Weight:** 550 kDa

**Formulation:** Lyophilized powder in 0.01M Sodium Deoxycholate; 0.05M Sodium Carbonate; 0.05M

**Purity:** >95 percent pure by SDS-PAGE

**Storage & Stability:** When stored at -80°C product is stable for 3 years from date of delivery. **Avoid repeated freeze-thaw cycles.**

**Certification:** Prepared from fresh, non-frozen plasma shown to be non reactive for HbsAG, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests. >95 percent pure by SDS-PAGE.

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**