

Apolipoprotein B, Human Plasma

CATALOG #: 7283-500 500 µg

ALTERNATE NAMES: Apolipoprotein A-IV, apo AIV, Apo-AIV, ApoA-IV

SOURCE: Human plasma. Prepared from plasma shown to be non-reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.

PURITY: ≥ 95% by SDS – PAGE. Single arc by IEP against whole human serum

MOL. WEIGHT: 550 kDa

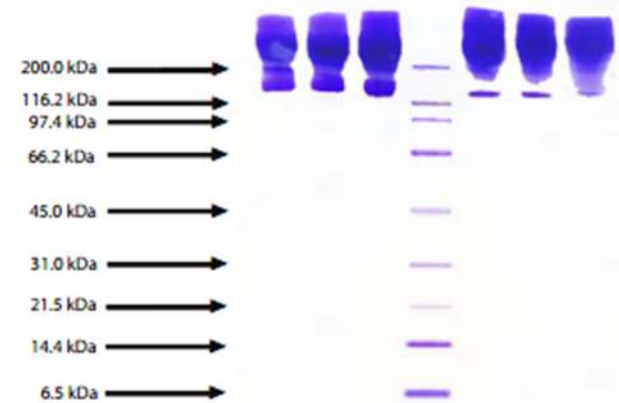
FORM: Lyophilized from 10 mM Na deoxycholate, pH 10.0, with 50 mM Na₂CO₃ and 50 mM NaCl

RECONSTITUTION: In water or aqueous buffer

STORAGE CONDITIONS: Aliquot and store at -20°C or lower. Avoid repeated freezing and thawing cycles.

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. Mutations in this gene or its regulatory region cause hypobetalipoproteinemia, normotriglyceridemic and hypercholesterolemia due to ligand-defective apoB, diseases affecting plasma cholesterol and apoB levels.



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- 4-12% Bis-Tris-HCl NuPAGE gel
1. Apo B - 5 µg (reduced / heated)
 2. Apo B - 10 µg (reduced / heated)
 3. Apo B - 20 µg (reduced / heated)
 4. MW Standard
 5. Apo B - 5 µg (non-reduced / no heat)
 6. Apo B - 10 µg (non-reduced / no heat)
 7. Apo B - 20 µg (non-reduced / no heat)

RELATED PRODUCTS:

- ApoA-1, human recombinant (Cat # 4693-20, -100, -1000)
- ApoA-1, rat recombinant (Cat # 4695-20, -100, -1000)
- Apo-D, human recombinant (Cat # 4326-10, -1000)
- APO-J / Clusterin (Cat. No. 4325-10, -500)
- Apo-SAA, human recombinant (Cat # 4324-50, -500, -1000)
- ApoE2, human recombinant (Cat # 4760-50, -100, -500, -1000, -5000)
- ApoE3, human recombinant (Cat # 4696-50, -100, -500, -5000)
- ApoE4, human recombinant (Cat # 4699-50, -100, -500, -1000, -5000)
- Apolipoprotein CI, Human Plasma (Cat # 4703-100)
- Apolipoprotein CII, Human Plasma (Cat # 4704-50)
- Apolipoprotein CIII, Human Plasma (Cat # 4706-100)

FOR RESEARCH USE ONLY! Not to be used in humans.