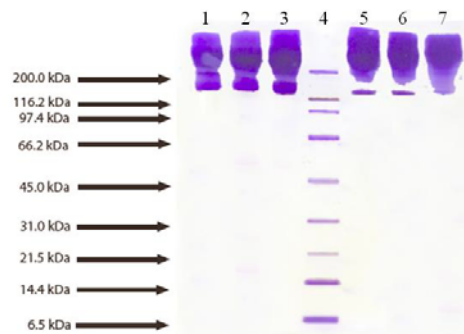


## Molecular Innovations, Inc.

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# Certificate of Analysis



4-12% Bis-Tris-HCl NuPAGE gel

1. HAPO-B - 5 µg (reduced/ heated)
2. HAPO-B - 10 µg (reduced/ heated)
3. HAPO-B - 20 µg (reduced/ heated)
4. BRMCO Standard (BIO-RAD Cat. No. 161-0317)
5. HAPO-B - 5 µg (non-reduced/ no heat)
6. HAPO-B - 10 µg (non-reduced/ no heat)
7. HAPO-B - 20 µg (non-reduced/ no heat)

**Product:** Apolipoprotein B, Human Plasma, LDL – HAPO-B

**Date:** January, 2008

**Lot:** APOB2008-02

**Molecular Weight:** 550,000 by SDS PAGE

### 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.

Each 0.1 mg lyophilized from 0.197 ml of 0.01M Sodium Deoxycholate; 0.05M Sodium Carbonate; 0.05M NaCl; pH 10.0. Add deionized water to original volume, aliquot and freeze unused portion.

### Considerations:

>=95% pure by SDS-PAGE. 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.

Protein concentration determined by Modified Lowry method based on Sigma Procedure P5656.

Storage Conditions: Store frozen at -70°C – stability > 1yr

*Duane E. Day*

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