### Overview

**Product name**  
Native Human Apolipoprotein B

**Protein length**  
Full length protein

### Description

**Nature**  
Native

**Source**  
Native

**Amino Acid Sequence**  
Native

**Species**  
Human

### Specifications

Our **Abpromise guarantee** covers the use of **ab91112** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications**  
SDS-PAGE

**Purity**  
> 95% SDS-PAGE.

**Form**  
Lyophilised

**Additional notes**  
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.

### Preparation and Storage

**Stability and Storage**  
Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

- **pH:** 10.00
- **Constituents:** 0.53% Sodium carbonate, 0.415% Sodium deoxycholate, 0.29% Sodium chloride

### General Info

**Function**  
Apolipoprotein B is a major protein constituent of chylomicrons (apo B-48), LDL (apo B-100) and...
VLDL (apo B-100). Apo B-100 functions as a recognition signal for the cellular binding and internalization of LDL particles by the apoB/E receptor.

**Involvement in disease**
- Hypobetalipoproteinemia, familial, 1
- Familial ligand-defective apolipoprotein B-100

Defects in APOB associated with defects in other genes (polygenic) can contribute to hypocholesterolemia.

**Sequence similarities**
Contains 1 vitellogenin domain.

**Post-translational modifications**
Palmitoylated; structural requirement for proper assembly of the hydrophobic core of the lipoprotein particle.

**Cellular localization**
Cytoplasm. Secreted.

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**Images**

SDS-PAGE: 4-12% Bis-Tris-HCl NuPAGE gel
- Lane 1. 5 μg Apolipoprotein (reduced/heated)
- Lane 2. 10 μg Apolipoprotein (reduced/ heated)
- Lane 3. 20 μg Apolipoprotein (reduced/ heated)
- Lane 4. Molecular weight markers
- Lane 5. 5 μg Apolipoprotein (non-reduced/no heat)
- Lane 6. 10 μg Apolipoprotein (non-reduced/no heat)
- Lane 7. 20 μg Apolipoprotein (non-reduced/no heat)

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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