

Albumin from Human Plasma

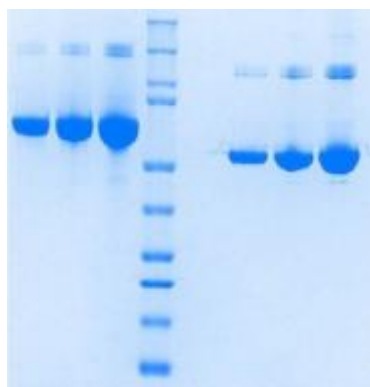
np001167

Storage temperature: -20°C. Avoid freeze/thaw cycle.

Introduction:

Albumin is a water-soluble protein with considerable structural stability. It is the most abundant of the human proteins, making up 60% of the total protein of plasma. It functions as a carrier of hormones, enzymes, fatty acids, metal ions, and medicinal products. For over fifty years, it has been used as a therapeutic agent for the restoration and maintenance of circulating blood volume for trauma, surgery and burn patients. Extinction Coefficient: 0.58
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.

For research use or for use in further manufacturing.



SDS-PAGE 4-12% Bis-Tris gel

1. Albumin 5 µg (Heated/Reduced)
2. Albumin 10 µg (Heated/Reduced)
3. Albumin 20 µg (Heated/Reduced)
4. Standard
5. Blank
6. Albumin 5 µg (Not Heated/Non-Reduced)
7. Albumin 10 µg (Not Heated/Non-Reduced)
8. Albumin 20 µg (Not Heated/Non-Reduced)

Protein Determination:

Extinction Coefficient (E) = 0.58 (0.1% at 280 nm, 1 cm pathway)

Molecular Weight: 66,000 Da

Physical Specifications:

Form: Lyophilized

Purity: ≥ 95% by SDS-PAGE



Considerations:

Storage Conditions: $\leq -20\text{ }^{\circ}\text{C}$ Stability: > 1 year

Buffer:

Salt-free lyophilized solid

