

Apolipoprotein E from Human Plasma

np001130

Product description:

Apolipoprotein E serves as a ligand for low density receptors and participates in the transport and redistribution of cholesterol and other lipids. Other functions include immunoregulation and cell growth modulation and differentiation. Apo E is thought to be involved in tissue repair as increased amounts of the protein are found at sites of peripheral nerve injury and regeneration. A mutant form is associated with familial type III hyperlipoproteinemia. The concentration of Apo E in normal plasma is 5 mg per 100 ml.

Researchers' source for Alzheimer's Disease Research.

Extinction Coefficient: 1.31

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.

Form:

Frozen.

Available Packaging:

50 and 500 μ g and 1 mg. Larger aliquots are available upon request.

Buffer:

Frozen in 50 mM NH_4HCO_3 , pH 8.0.

Purity:

95% by SDS-PAGE.

Molecular Weight:

34,000 Da.

Protein Determination:

Extinction Coefficient (E) = 1.31 (0.1% at 280 nm, 1 cm pathway).

Storage/Handling:

$\leq -80^\circ\text{C}$.



Stability:

>1 year.

Source:

Human Plasma.

Testing:

Donor material is obtained from suppliers that perform a comprehensive infectious disease screening panel. Each unit of plasma is tested by the supplier and found non-reactive for HIV-1/2, Hepatitis B surface antigen (HBsAg), Hepatitis C (HCV), Hepatitis A (HAV), and syphilis (RPR). Documentation of testing is maintained and is available upon request.

