COA CHROM
DIAGNOSTICA

Certificate of Analysis

Lot: SAMPLE

Description: Human Apolipoprotein-H(B2 Glycoprotein-1)

Concentration: 2.52 mg/ml

Aliquots: 1 x 0.10 mg

Volume/aliquot: 0.040 ml

Activity: N/A

Total protein: 0.10 mg

Buffer: 20 mM Tris-HCl/ 0.15 M NaCl/ pH 8.0

Storage: **< -60 °C**

Expiration Date:

PO: **N/A**

Apolipoprotein-H, also known as Beta2Glycoprotein-I is a plasma glycoprotein that circulates at a concentration of 0.2 mg/mL (4 uM). Apolipoprotein-H has been identified as a constituent of chylomicrons, very low density lipoproteins and high density lipoproteins in plasma. It has also been demonstrated to bind phospholipids, heparin and to bind to platelets where it can modulate the activity of adenylate cyclase. A single chain molecule with a mass of 48,000 daltons, it has an unusually high content of cysteine (6.2%), proline (8.3%) and also of carbohydate (19%). Although the precise function(s) are as yet unknown, Apolipoprotein-H has been shown to interfere with blood coagulation by competitively binding to phospholipids exposed during cell activation or damage. Recent evidence also implicates Apolipoprotein-H as a cofactor recognized by some anti-phospholipid antibodies present in autoimmune disorders such as systemic lupus erythematosus (SLE).
Protein is >95% pure on SDS-PAGE.
The above protein was purified from Human plasma that was tested and found negative by FDA accepted methods for Anti-HIV1/2, Anti-HTLV I & II, HBsAg, Anti-HCV, Syphilis, HBC Ab, HIV-1 p24 Ag or HIV-1 RNA, HCV RNA and HBV RNA. Donors are screened for CJD (Creutzfeldt-Jakob Disease).