

APOH or B2G1

Native Human Apolipoprotein H, Plasma

Catalog No.	CSI20173A CSI20173B	Quantity:	100 µg 500 µg
Alternate Names:	Beta-2-glycoprotein 1, B2GPI, Apo-H, APC inhibitor, Activated protein C-binding protein, Anticardiolipin cofactor		
Description:	Apolipoprotein H, also known as beta-2-Glycoprotein1 (B2GP-1) is a plasma glycoprotein that circulates at a concentration of 200 ug/mL (4mM). B2GP-1 has been identified as a constituent of chylomicrons, very low density lipoproteins and high density lipoproteins in Human plasma. It has also been demonstrated to bind phospholipids, heparin and platelets where it can modulate the activity of adenylate (19percent). Although the precise function(s) are as yet unknown, B2GP-1 has been shown to interfere with blood coagulation by competitively binding to phospholipids exposed during cell activation or damage. Recent evidence also implicates B2GP-1 as a cofactor recognized by some anti-phospholipid antibodies present in autoimmune disorders such as systemic lupus erythematosus (SLE).		
UniProt ID:	P02749		
Gene ID:	350		
Source:	Human plasma		
Molecular Weight:	48 kDa		
Formulation:	0.02 M Tris-HCl, 0.3 M NaCl, pH 7.3		
Purity:	>95% by SDS-PAGE		
Concentration:	1.0 mg/ml, lot specific		
Extinction Coefficient:	$E^{0.1\%}_{280nm} = 0.94$		
Storage & Stability:	Store at -80°C for up to 1 year. Upon initial thaw, prepare working aliquots and store at -80°C. Avoid repeated freeze-thaw cycles.		
Statement:	Non-Infectious Disease Certification: Non-reactive for HIV and HCV by FDA approved methods. However, because no test method can offer complete assurance that infectious agents are absent, this material should be handled at Bio-Safety Level 2 (BSL 2) as recommended for potentially infectious human serum or blood specimen in the CCD/NIH manual "Biosafety in Microbiological and Biomedical Laboratories", 2009.		

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