

GP1Ib1IIa (Human)

1.00 mg

Ref#: HGP2B3A
Lot#: xxxxxx
Exp. Date: xxxx-xx



Store at -20°C

For Research Use Only
Not for Use in Diagnostic Procedures
For *in vitro* Use Only

Description:	GP1Ib1IIa (Human)
Format:	Frozen in 20 mM Tris-HCl / 0.1 M NaCl / 0.1% Triton X-100/ 1 mM CaCl ₂ / 0.05% NaN ₃ / 50% (v/v) Glycerol / pH 7.4
Host:	Human
Storage:	Store at -20°C
Reconstitution:	Ready to use
Volume:	1 vial containing 0.735 mL
Total Protein:	1.00 mg
Concentration:	1.36 mg/mL before lyophilisation by Absorbance; Extinction Coefficient E ^{1%} ₂₈₀ = 9.1

Platelet membrane glycoproteins are involved in platelet adhesion and aggregation. Glycoproteins IIb and IIIa (GP1Ib and GP1IIa) constitute the fibrinogen receptor and are required for platelet aggregation.

GP1Ib1IIa is purified from human platelets. Glycoprotein IIb consists of 2 disulfide-linked subunits GP1Ib (MW = 125,000) and GP1I (MW= 23,000) while GP1IIa has only one polypeptide chain (MW= 108,000).

GP1Ib1IIa migrates on gels as follows: GP1Ib 136,000 non-reduced and 125,000 reduced. GP1IIa is 97,000 non-reduced and 108,000 reduced. The protein does recognize RGD peptide substrate. Protein concentration is determined via the Bradford method.

The above protein was purified from Human platelets that were tested and found negative by FDA accepted methods for Anti-HIV 1/2, 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 (Creutzfeld-Jakob Disease).