

# $\alpha$ 2-Antiplasmin (Human)

## 0.10 mg

Ref#: HA2AP  
Lot#: xxxxxx  
Exp. Date: xxxx-xx



Store at 2-8°C

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

<b>Description:</b>	$\alpha$ 2-Antiplasmin
<b>Format:</b>	Lyophilized in 20mM Tris/ 0.15M NaCl/ pH 7.2
<b>Host:</b>	Human
<b>Storage:</b>	Store at 2-8°C
<b>Volume:</b>	1 vial containing 0.082 mL
<b>Total Protein:</b>	0.10 mg
<b>Concentration:</b>	1.22 mg/mL by Absorbance; Extinction Coefficient $E^{1\%}_{280} = 7.0$
<b>Molecular weight:</b>	67,000 daltons

$\alpha$ 2-Antiplasmin ( $\alpha$ 2AP), also known as  $\alpha$ 2-Plasmin Inhibitor, is a plasma glycoprotein that is a member of the SERPIN family of proteinase inhibitors.  $\alpha$ 2-Antiplasmin acts as the primary inhibitor of Plasmin(ogen). Congenital deficiency of  $\alpha$ 2-Antiplasmin causes a rare bleeding disorder because of increased fibrinolysis  $\alpha$ 2AP is the primary fast-acting inhibitor of plasmin *in vivo*, but has also been reported to inhibit other enzymes such as trypsin, elastase, and Activated Protein C.  $\alpha$ 2AP is purified from normal human plasma using immunoaffinity and ion-exchange chromatography. Purified  $\alpha$ 2AP activity is determined by titration with purified plasmin using a chromogenic substrate.

The above protein was purified from Human plasma that was 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).