

# Anti-Human Prekallikrein (Sheep)

## Affinity Purified IgG 0.5 mg

Ref#: SAPK-AP  
 Lot#: xxxxxx  
 Exp. Date: xxxx-xx

Store at -10 to -20°C

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

<b>Immunogen:</b>	Human active site blocked kallikrein from human plasma
<b>Format:</b>	Affinity purified IgG in a buffered stabilizer solution containing 10 mM HEPES, 150 mM NaCl, 50% (v/v) glycerol, pH 7.2
<b>Host:</b>	Sheep
<b>Storage:</b>	Store between -10 and -20°C. Vial should be tightly capped. Do not store in frost-free freezers. Allow product to warm to room temperature and gently mix before use
<b>Total Protein:</b>	0.50 mg
<b>Volume:</b>	1 vial containing 0.250 mL affinity purified IgG
<b>Concentration:</b>	2 mg/mL affinity purified IgG by Absorbance; Extinction Coefficient $E^{1\%}_{280} = 13.4$
<b>Specificity:</b>	Specificity demonstrated by immunoelectrophoresis and ELISA methods
<b>Application:</b>	Suitable as a source of enriched antibodies.
<b>Species Cross Reactivity:</b>	Human: ++      Rabbit: +      Mouse: -      Rat: -      Pig: +      Dog: -

Plasma Prekallikrein, also known as Fletcher factor, is a serine protease with 85kDa synthesized in the liver and composed of a single chain glycoprotein. In plasma, about 75% is complexed with HMW Kininogen and the remaining 25% is free. Prekallikrein is the zymogen form of Kallikrein. Prekallikrein is cleaved to produce kallikrein by activated Factor XII (Hageman factor). The normal Prekallikrein concentration in human plasma is about 50 µg/mL (550 nM).