



Anti-Human Factor VII (Sheep) Affinity-Purified IgG

Immunogen:	Human Factor VII (purified from human plasma)		
Format:	Affinity-Purified IgG (in 10 mM HEPES, pH 7.4, 150 mM NaCl, 50% (v/v) glycerol).		
Host:	Sheep		
Ref#:	SAF7-AP		
Lot#:	SAMPLE		
Exp Date:			
Storage:	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.		
Total Protein:	0.50 mg		
Applications:	Suitable as a source of enriched antibodies. For Research Use Only. Not for Use in Diagnostic Procedures. For <i>in vitro</i> use only.		
Volume:	1 vial containing 0.250 mL anti-human Factor VII, affinity purified IgG.		
Concentration:	2 mg/mL affinity purified IgG by Absorbance; Extinction Coefficient $E^{1\%}_{280} = 13.4$.		
Specificity:	Specificity demonstrated by immunoelectrophoresis and ELISA methods.		
Species Cross Reactivity:	Dog: ND	Human: +++	Mouse: ND
	Pig: ND	Rabbit: ND	Rat: ND

Coagulation Factor VII (FVII) is a 50 kDa vitamin K-dependent glycoprotein synthesized in the liver and composed of a single polypeptide chain. FVII is present in plasma as a zymogen, and can be autoactivated by Tissue Factor (TF) in the presence of calcium. FVII may also be activated to FVIIa by several proteases including thrombin, FIXa, FXa, FXIa and FXIIa. The FVIIa-TF complex participates in the activation of FX and FIX. The normal Factor VII concentration in human plasma is about 0.5 µg/mL.