

Anti-Human Antithrombin (Sheep)

Affinity-Purified IgG 0.50 mg



Ref#: SAAT-AP
 Lot#: 629673
 Exp. Date: 2018-07

Store at -10 to -20°C

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

Immunogen:	Human Antithrombin (from human plasma)		
Format:	Affinity Purified IgG in 10 mM HEPES / 150 mM NaCl / 50% (v/v) glycerol / pH 7.4		
Host:	Sheep		
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 0.204 mL anti-human, affinity purified IgG		
Concentration:	2.46 mg/mL affinity purified IgG by absorbance; Extinction Coefficient $E^{1\%}_{280} = 13.4$		
Specificity:	Specificity demonstrated by immunoelectrophoresis and ELISA methods		
Neutralizing Activity:	Not Determined		
Species Cross Reactivity:	Dog: ++	Human: ++	Mouse: ++
	Pig: ++	Rabbit: -	Rat: ++

Human Antithrombin, also known as Antithrombin III (ATIII), is a 59 kDa proteinase inhibitor synthesized in the liver and composed of a single polypeptide chain. Antithrombin inhibits a broad spectrum of serine proteases including thrombin, activated forms of factor X, factor IX, factor XI, factor XII, as well as kallikrein, plasmin and urokinase. Antithrombin concentration in human plasma is about 200 µg/mL (3.5 µM).