

Anti-Human α 1-Antitrypsin (Sheep) Affinity Purified, Peroxidase Conjugated IgG

Ref#: SA1AT-APHRP
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

Immunogen:	Human α 1-Antitrypsin (from human plasma)
Format:	Affinity purified and peroxidase conjugated IgG in a buffered stabilizer solution containing 50% (v/v) glycerol
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 Avoid exposure to sodium azide as this is an inhibitor of peroxidase activity
Total Protein:	0.10 mg
Volume:	1 vial containing 0.10 mL affinity purified IgG conjugated to horseradish peroxidase (HRP) through carbohydrate groups
Concentration:	1.00 mg/mL affinity purified IgG-HRP by Absorbance; Extinction Coefficient $E^{1\%}_{280} = 14.0$
Reinheitszahl (A_{403}/A_{280}):	0.39
Specificity:	Specificity demonstrated by immunoelectrophoresis and ELISA methods
Neutralizing Activity:	Not Determined
Application:	Suitable as a source of peroxidase-labeled antibodies.

Alpha1-Antitrypsin (A1AT) is a 52KDa glycoprotein synthesized mainly in the liver and composed of a single polypeptide chain. Also known as Alpha1-Proteinase inhibitor (α 1PI), A1AT functions as a broad spectrum inhibitor for many serine proteases, including activated Protein C, activated FXI, thrombin, plasmin, and neutrophil elastase. The normal A1AT concentration in serum is about 1.3 mg/mL (25 μ M).