



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Goat anti Human alpha-1 antitrypsin

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[nordicmubio.com/product/goat-anti-human-alpha-1-antitrypsin](http://nordicmubio.com/product/goat-anti-human-alpha-1-antitrypsin)

Catalogue number: **GAHu/Atr**

Clone	Polyclonal
Product Type	Primary Antibodies
Units	1 ml
Host	Goat

### Background

The reactivity of the antiserum is restricted to alpha-1antitrypsin. In immunoelectrophoresis and radial immunodiffusion (Ouchterlony), using various antiserum concentrations against fresh normal human plasma a single precipitin line is obtained which shows a reaction of identity with the precipitin line obtained with purified alpha-1antitrypsin. No reaction is obtained with any other plasma protein component or serum. In precipitating techniques as immunoelectrophoresis and single or double radial immunodiffusion to identify the presence of alpha-1antitrypsin in human plasma or other body fluids or to determine its concentration. The presence of non precipitating antibodies has not been assayed. This does not exclude the use of the antiserum in more sensitive non-precipitating antibody-binding techniques if proper controls are included.

### Source

Alpha-1 antitrypsin is a serine protease inhibitor. It has a molecular weight of 54,000, its mean concentration in normal serum is 2.5 mg/ml. The highly purified immunogen is isolated from pooled normal plasma. Freund's complete adjuvant is used in the first step of the immunization procedure.

### Product

Delipidated, heat inactivated, lyophilized, stable whole antiserum No preservative added. Total protein and IgG concentrations in the antiserum are comparable to those of pooled normal goat serum. No foreign proteins added. Reconstitute the lyophilized antiserum by adding 1 ml sterile distilled water.

### Specificity

Precipitating polyclonal Goat antiSerum to Human alpha-1 antitrypsin

*Species Reactivity:* The antiSerum does not cross react with any other component of Human plasma. Inter-species cross-reactivity is a normal feature of antibodies to plasma proteins since they frequently share antigenic determinants. Cross-reactivity of this antiSerum has not been tested in detail, however in double radial immunodiffusion a reaction has been found with Rhesus Monkey, Cynomolgus, Baboon and Chimpanzee; no reaction with Mouse.

### **Applications**

Precipitation assays. Dilutions may be prepared by adding phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the antiserum. Diluted antiserum should be stored at +4°C, not refrozen, and preferably used the same day.

### **Storage**

The lyophilized antiserum is shipped at ambient temperature and may be stored at +4°C; prolonged storage at or below -20°C.

### **Caution**

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. This datasheet is as accurate as reasonably achievable, but Nordic-MUbio accepts no liability for any inaccuracies or omissions in this information.

### **Protein Reference(s)**

*Database Name:* UniProt

*Accession number:* P01009