

Product Information

Anti- α_1 -Antitrypsin

produced in rabbit, IgG fraction of antiserum

Catalog Number **A0409**

Product Description

Antiserum is produced in rabbit using purified human α_1 -antitrypsin as the immunogen. To ensure specificity the antiserum is adsorbed, if necessary, using solid phase techniques.

Antiserum is determined to be immunospecific for human α_1 -antitrypsin by immunoelectrophoresis versus normal human serum and human α_1 -antitrypsin.

Reagent

Supplied as a lyophilized powder from 0.01 M phosphate buffered saline, pH 7.2, to which no preservatives have been added.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Reconstitution and Storage

To one vial of lyophilized powder add 2 ml of deionized water. Rotate vial gently until powder dissolves. Prior to reconstitution store the product at 2-8 °C. After reconstitution, the solution may be stored frozen in working aliquots. Repeated freezing and thawing is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use.

Product Profile

Immunoelectrophoresis (IEP), 5 μ g of α_1 -antitrypsin and 5 μ L of human serum is electrophoresed, then diffused against 100 μ L rabbit anti-human α_1 -antitrypsin that results in a single arc of precipitation corresponding to the region observed for human α_1 -antitrypsin.

Indirect ELISA : working dilution of 1:30,000-1:60,000 is determined using 5 μ g/ml human α_1 -antitrypsin for coating.

Note: In order to obtain the best results in various techniques and preparations we recommend determining the optimal working dilutions by titration.

IgG Concentration: 5-15 mg/ml

DS,KAA,PHC 01/14-1