

# Human Alpha-1-Antitrypsin Antibody *FITC conjugated*

*Produced in Goat*

**Catalog No.**    **Size**  
A80-122F        1 ml



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## Conditions

Storage: 2 - 8<sup>0</sup> C

Antibody Concentration: 1 mg/ml

Physical State: Liquid

Buffer: Phosphate Buffered Saline, pH 7.2

Stabilizing Agent: 0.2 % BSA

Preservative: 0.1% Sodium Azide

Shelf life: 1 year from date of receipt

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## Production Procedures

The antibody was isolated by affinity chromatography using antigen coupled to agarose beads and conjugated to fluorescein isothiocyanate (FITC).

Antibody concentration was determined by extinction coefficient prior to conjugation: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.

F/P ratio is 3 to 7.

By immunoelectrophoresis and ELISA this antibody reacts specifically with Alpha-1-Antitrypsin. No antibody was detected other serum proteins.

This antibody may cross react with alpha-1-antitrypsin light chain from other species.

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## Notes

Country of Origin: USA

For use in Research and Manufacturing only; not for use in diagnostic applications.

## Applications

Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Suggested starting dilutions are as follows.

Histo/Cytochemistry: 1:200 – 1:2,000

In some cases, the antibody may be diluted further than indicated.

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## Related Products

G x-Alpha-1-Antitrypsin IgG Fraction        A80-122  
G x-Alpha-1-Antitrypsin affinity purified    A80-122A  
G x-Alpha-1-Antitrypsin HRP conjugated    A80-122P

G = Goat

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## MATERIAL SAFETY DATA SHEET

### Contents Description

This product contains FITC conjugated goat immunoglobulin G (IgG) protein in phosphate buffered saline (PBS) pH 7.2 with 0.2% BSA and 0.1% sodium azide (NaN<sub>3</sub>).

### Hazardous Ingredients

Goat IgG Protein - No known toxicity for this biological material.

Bovine Serum Albumin (BSA) - No known toxicity for this biological material.

Fluorescein isothiocyanate (FITC) - Harmful if inhaled, swallowed or absorbed through skin. In case of contact with eyes or skin immediately rinse with large volumes of water.

Sodium Azide (NaN<sub>3</sub>) - AZIDE FORMS EXPLOSIVE CHEMICAL COMPOUNDS WITH LEAD AND COPPER PLUMBING. CARE MUST BE TAKEN TO WASH WASTE DOWN DRAINS WITH LARGE VOLUMES OF WATER.

LD50 oral mouse - 27 mg/kg.

Wash all affected areas with large volumes of water and if swallowed consult your physician immediately.

The above information is believed to be correct but does not purport to be all-inclusive and is intended to be used only as a guide. Bethyl Laboratories, Inc. shall not be liable or responsible in any way for use of either this information or the material supplied. Disposal of hazardous material may be subject to federal, state, or local laws or regulations.