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# cappel

**GOAT IGG FRACTION TO  
HUMAN ALPHA-1-ANTITRYPSIN - 5ML**

**Catalog #:** 55030

**Lot #:** 01594

Total Protein: 39.1 mg/ml  
Antibody Protein: 5 mg/ml

## DESCRIPTION:

Product is the lyophilized powder of goat IgG fraction to human alpha-1-antitrypsin and buffer salts.

The IgG fraction is prepared from the specific goat antiserum by delipidation, ammonium sulfate fractionation and anion exchange chromatography. The resulting IgG fraction is dialyzed into 0.02M sodium phosphate, 0.14M sodium chloride, pH 7.3, 0.05% sodium azide, adjusted to standard titer, filtered through a 0.22 µm filter, vialled and lyophilized.

## USES:

This product is suitable for use as a precipitating antibody. It gives sharp precipitin lines in immunoelectrophoresis and immunodiffusion techniques.

This product is suitable for conjugation with enzymes, radiolabels, fluorochromes or other markers, and for attachment to solid supports for use as an immunoabsorbant.

This product is suitable for use as a primary reagent in enzyme immunoassays, fluorescein immunoassays and blot, cell or tissue immunostaining. See **Related Product Ordering Information**.

## SUGGESTED WORKING DILUTIONS:

1:500 - 1:4,000 for Tissue Staining  
1:1,000 - 1:8,000 for Immunoblotting  
1:2,000 - 1:16,000 for Elisa

**It is recommended that each lab obtain their own optimal working dilution for each assay**

## SPECIFICATIONS:

The total protein is measured using the Biuret procedure, with bovine albumin as a standard. Antibody titer is standardized to an in-house standard by equivalence-point precipitation. Each IgG fraction is tested for purity and specificity at a minimum of 40 mg/ml using immunoelectrophoresis. The product is mostly goat IgG; no trace of albumin is detected. It shows reactivity to human alpha-1-antitrypsin; cross-reactivity to other species may exist. Antibody activity to other serum proteins is not present.

## RECONSTITUTION:

Reconstitute product with 5.0 ml of deionized or distilled water. Gentle swirling may be used to speed rehydration. Avoid vigorous shaking of the reconstituted material.

**STORAGE:**

Store lyophilized product at 2-8°C. Store reconstituted material no longer than 4 weeks at 2-8°C. For long term storage, aliquot and store reconstituted product frozen at -20°C or lower.

**WARNING AND CAUTION:**

This product is intended **FOR RESEARCH USE ONLY**, not for use in diagnostic or therapeutic procedures involving humans or animals.

**RELATED PRODUCT ORDERING INFORMATION:**

<u>Catalog #</u>	<u>Description</u>	<u>Size</u>
55111	GOAT ANTI-HUMAN ALPHA-1-ANTITRYPSIN	2ML
55236	HRP GOAT ANTI-HUMAN ALPHA-1-ANTITRYPSIN	2ML

  
Approved by: Joseph Dietz, Ph.D.  
Quality Control Director

**TO PLACE AN ORDER IN THE U.S., PLEASE CALL 800-854-0530  
OR TO OBTAIN TECHNICAL ASSISTANCE IN THE U.S., PLEASE CALL 800-279-5490  
OUTSIDE THE U.S., CONTACT YOUR LOCAL DISTRIBUTOR.**