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# cappel

## FLUORESCHEIN-CONJUGATED GOAT IGG FRACTION TO HUMAN IGA (alpha CHAIN) - 2ML

Catalog #: 55077

Lot #: 02572

Total Protein: 42.2 mg/ml  
F/P Ratio: 4.6 mol/mol  
Antibody Protein: 6 mg/ml

### DESCRIPTION:

Product is the lyophilized powder of fluorescein-5-isothiocyanate (FITC "Isomer I")-conjugated goat IgG fraction to human IgA ( $\alpha$  chain) and buffer salts.

Antibody and FITC are conjugated under defined conditions to obtain the specified molar ratio (3-6 mol/mol). Conjugated protein is purified by gel filtration. The product is dialyzed into 0.02M sodium phosphate, 0.14M sodium chloride, pH 7.3, with 0.05% sodium azide, adjusted to standard titer, filtered through a 0.22  $\mu$ m filter, vialled, and lyophilized.

### USES:

This product is suitable for use as a reagent in immunofluorescence assays (IFA), cell staining (fluorescent microscopy and cell sorting), tissue staining, and blot immunostaining. (Note: F(ab')<sub>2</sub> fragments are recommended for staining of cells or tissues which contain Fc receptors. Affinity purified antibodies are recommended to avoid non-specific binding from the inherent antibodies of host animals. See **Related Product Ordering Information** for these products.)

### SPECIFICATIONS:

The total protein is measured using the Biuret procedure with bovine albumin as the standard; F/P ratio is calculated using absorbance at 491.5nm. Antibody titer of the IgG fraction is standardized by equivalence-point precipitation. The IgG fraction is tested for purity and specificity at 40 mg/ml using immunoelectrophoresis. The product is mostly goat IgG; no trace of albumin is detected. This product shows reactivity to human IgA; cross-reactivity to other species may exist. Antibody activity to IgG, IgM, or non-immunoglobulin serum proteins is not present.

### RECONSTITUTION:

Reconstitute product with 2.0 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 freeze reconstituted product 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.

This product contains sodium azide. To prevent formation of toxic vapors, do not mix with strongly acidic solutions. To prevent formation of potentially explosive metallic azides in metal plumbing, always wash into drain with copious quantities of water.

**RELATED PRODUCT ORDERING INFORMATION:**

Catalog #   Description   Size

55082 GOAT ANTI-HUMAN IGA (□CHAIN) 2ML  
55003 IGG GOAT ANTI-HUMAN IGA (□CHAIN) 5ML  
55047 F(AB')<sub>2</sub> GOAT ANTI-HUMAN IGA (□CHAIN) 2ML  
55068 AFF.PUR. GOAT ANTI-HUMAN IGA (□CHAIN) 2MG  
55178 FITC F(AB')<sub>2</sub> GOAT ANTI-HUMAN IGA (□CHAIN) 2ML  
55195 FITC AFF.PUR. GOAT ANTI-HUMAN IGA (□CHAIN) 2MG  
55906 PURIFIED HUMAN SERUM IGA 5MG  
55984 NORMAL GOAT SERUM 2ML

**For enzyme conjugates and peroxidase substrates, please see our catalog.**

  
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.**