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# cappel

## FLUORESCHEIN-CONJUGATED GOAT IGG FRACTION TO HUMAN COMPLEMENT C3 - 2ML

Catalog #: 55167

Lot #: 07427

Total Protein: 27.5 mg/ml  
F/P Ratio: 3.0 mol/mol  
Antibody Protein: 7 mg/ml

### DESCRIPTION:

Product is the lyophilized powder of fluorescein-5-isothiocyanate (FITC "Isomer I")-conjugated goat IgG fraction to human complement C3 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. 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 complement C3; cross-reactivity to other species may exist. Antibody activity to complement components C4-C9 or serum proteins is not present.

### EXPIRATION DATE:

9/30/2021

### DILUTION RECCOMENDATIONS:

1:100 - 1:400 for Tissue Staining  
1:250 - 1:1,000 for Immuno Blotting  
1:1,000 - 1:4,000 for ELISA/FIA

**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

55033 IGG GOAT ANTI-HUMAN COMPLEMENT C3 5ML  
55062 F(AB')<sub>2</sub> GOAT ANTI-HUMAN COMPLEMENT C3 2ML  
55117 GOAT ANTI-HUMAN COMPLEMENT C3 2ML  
55191 FITC F(AB')<sub>2</sub> GOAT ANTI-HUMAN COMPLEMENT C3 2ML  
55237 HRP GOAT ANTI-HUMAN COMPLEMENT C3 2ML  
55984 NORMAL GOAT SERUM 2ML

  
**Approved by:** John Huang, PhD  
Quality Control Manager

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