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# cappel

**FLUORESCHEIN-CONJUGATED GOAT F(AB')<sub>2</sub> FRAGMENT  
TO MOUSE COMPLEMENT C3 - 2ML**

**Catalog #:** 55510

**Lot #:** 00021

Total Protein: 13.2 mg/ml  
F/P Ratio: 4.2 mol/mol  
Antibody Protein: 4 mg/ml

## **DESCRIPTION:**

Product is the lyophilized powder of fluorescein-5-isothiocyanate (FITC "Isomer I")-conjugated goat F(ab')<sub>2</sub> fragment to mouse 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 µm 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. F(ab')<sub>2</sub> fragments are recommended for staining of cells or tissues which contain Fc receptors.

See **Related Product Ordering Information**.

## **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 F(ab')<sub>2</sub> fragments are tested for purity and specificity at a minimum of 20 mg/ml using immunoelectrophoresis. The product is goat F(ab')<sub>2</sub>; no trace of albumin, whole molecule IgG or Fc is detected. This product shows reactivity to mouse complement C3; cross-reactivity to other species may exist. Antibody activity to other 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

55444 (01110601) GOAT ANTI-MOUSE COMPLEMENT C3 2ML  
55463 (02110601) IGG GOAT ANTI-MOUSE COMPLEMENT C3 5ML  
55474 (03110601) F(AB')<sub>2</sub> GOAT ANTI-MOUSE COMPLEMENT C3 2ML  
55500 (12110601) FITC GOAT ANTI-MOUSE COMPLEMENT C3 2ML  
55557 (32110601) HRP GOAT ANTI-MOUSE COMPLEMENT C3 2ML  
55860 (00110620) POOLED MOUSE COMPLEMENT 1ML  
55984 (50061380) NORMAL GOAT SERUM 2ML  
40030 BOSERAL 10GM

**For peroxidase substrates, see our catalog.**

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

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