



## MP Biomedicals, LLC

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# cappel

FITC IgG Goat Anti-Mouse Complement C3  
2ML  
Catalog #: 55500  
Lot #: U1125002517

Total Protein: 14.8 mg/ml  
F/P Ratio: 4.0 mol/mol  
Antibody Protein: 4 mg/ml

### DESCRIPTION:

Product is the lyophilized powder of fluorescein-5-isothiocyanate (FITC "Isomer I")-conjugated goat IgG fraction 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  $\mu$ 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.)

### SUGGESTED WORKING DILUTIONS:

1:100 - 1:400	for Tissue Staining
1:250 - 1:1,000	for Immunoblotting
1:1,000 - 1:4,000	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 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 mouse complement C3; cross-reactivity to other species may exist. Antibody activity to other serum proteins is not present.

**EXPIRATION DATE:**

01/20/2030

**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:**

<u>Catalog #</u>	<u>Description</u>	<u>Size</u>
55463	IGG GOAT ANTI-MOUSE COMPLEMENT C3	5ML
55444	GOAT ANTI-MOUSE COMPLEMENT C3	2ML
55474	F(AB') <sub>2</sub> GOAT ANTI-MOUSE COMPLEMENT C3	2ML
55510	FITC F(AB') <sub>2</sub> GOAT ANTI-MOUSE COMPLEMENT C3	2ML
55557	HRP GOAT ANTI-MOUSE COMPLEMENT C3	2ML
55984	NORMAL GOAT SERUM	2ML

Approved by:



Priti Faldu  
QC Manager Designee

**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.**