



MP Biomedicals, LLC.

29525 Fountain Parkway  
Solon, Ohio 44139

Telephone: 440/337-1200

Toll Free: 800/854-0530

Fax: 440/337-1180

mailto:biotech@mpbio.com

web: www.mpbio.com

# cappel

## FLUORESCHEIN-CONJUGATED GOAT IGG FRACTION TO MOUSE IGG F(AB')<sub>2</sub> - 2ML

Catalog #: 55496

Lot #: 02682

Total Protein: 30.4 mg/ml

F/P Ratio: 4.56 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 mouse IgG F(ab')<sub>2</sub> 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. (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 mouse F(ab')<sub>2</sub> and IgG; cross-reactivity to other species may exist. Because the product is directed against IgG F(ab')<sub>2</sub>, some antibodies are expected to bind light chain sites common to all immunoglobulins. Antibody activity to mouse Fc 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

55438 GOAT ANTI-MOUSE IGG F(AB')2   2ML  
55458 IGG GOAT ANTI-MOUSE IGG F(AB')2   5ML  
55471 F(AB')2 GOAT ANTI-MOUSE IGG F(AB')2   2ML  
55483 AFF.PUR. GOAT ANTI-MOUSE IGG F(AB')2   2MG  
55940 PURIFIED MOUSE IGG F(AB')2   5MG  
55984 NORMAL GOAT SERUM   2ML  
40030 BOSERAL PUR   10GM

**For additional fluorochrome and enzyme conjugates, peroxidase substrates, and mouse IgG subclasses, 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.**