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# cappel

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

Catalog #: 55148

Lot #: 07800

Total Protein: 16.3 mg/ml

F/P Ratio: 5.0 mol/mol

Antibody Protein: 8 mg/ml

### DESCRIPTION:

Product is the lyophilized powder of fluorescein-5-isothiocyanate (FITC "Isomer I")-conjugated goat IgG fraction to human 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. 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 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 human Fc or non-immunoglobulin serum proteins is not present.

### EXPIRATION DATE:

12/31/2023

### 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

55012	IGG GOAT ANTI-HUMAN IGG F(AB') <sub>2</sub>	5ML
55051	F(AB') <sub>2</sub> GOAT ANTI-HUMAN IGG F(AB') <sub>2</sub>	2ML
55092	GOAT ANTI-HUMAN IGG F(AB') <sub>2</sub>	2ML
55182	FITC F(AB') <sub>2</sub> GOAT ANTI-HUMAN IGG F(AB') <sub>2</sub>	2ML
55224	HRP GOAT ANTI-HUMAN IGG F(AB') <sub>2</sub>	2ML
55245	HRP F(AB') <sub>2</sub> GOAT ANTI-HUMAN IGG F(AB') <sub>2</sub>	2ML
55910	PURIFIED HUMAN IGG F(AB') <sub>2</sub>	10MG
55984	NORMAL GOAT SERUM	2ML

**For antisera to human IgG subclasses please see our catalog.**

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

**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.**