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# cappel

**FLUORESCHEIN-CONJUGATED GOAT AFFINITY PURIFIED  
F(AB')<sub>2</sub> FRAGMENT TO HUMAN IGG  
(WHOLE MOLECULE) - 1MG  
Catalog #: 55201  
Lot #: 07346**

Total Protein: 1.07 mg/ml  
F/P Ratio: 5.4 mol/mol  
Active Antibody: 1.0 mg/ml

## DESCRIPTION:

Product is fluorescein-5-isothiocyanate (FITC "Isomer I")-conjugated goat affinity purified F(ab')<sub>2</sub> fragments to human IgG (whole molecule) 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 and 10% glycerol (v/v), adjusted to standard titer, filtered through a 0.22 µm filter, and vialled.

## 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. Use of affinity purified antibodies is recommended to avoid non-specific binding from the inherent antibodies of host animals; these 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 by absorbance (A<sub>280nm</sub>); F/P ratio is calculated using absorbance at 491.5nm. Antibody titer of the affinity purified F(ab')<sub>2</sub> fragments is standardized by equivalence-point precipitation. The affinity purified F(ab')<sub>2</sub> fragment is tested for purity at 10 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 human IgG; cross-reactivity to other species may exist. Because the product is directed against whole IgG, some antibodies are expected to bind light chain sites common to all immunoglobulins. Antibody activity to non-immunoglobulin serum proteins is not present.

## EXPIRATION DATE:

10/31/2017

## 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

**STORAGE:**

Store unopened product at 2-8°C. Store opened material no longer than 4 weeks at 2-8°C. For long term storage, aliquot and store with 40% glycerol (v/v) at -20°C.

**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

55087 GOAT ANTI-HUMAN IGG (WHOLE MOLECULE) 2ML  
55007 IGG GOAT ANTI-HUMAN IGG (WHOLE MOLECULE) 5ML  
55049 F(AB')<sub>2</sub> GOAT ANTI-HUMAN IGG (WHOLE MOLECULE) 2ML  
55067 FAB GOAT ANTI-HUMAN IGG (WHOLE MOLECULE) 5ML  
55070 AFF.PUR. GOAT ANTI-HUMAN IGG (WHOLE MOLECULE) 2MG  
55075 AFF.PUR. F(AB')<sub>2</sub> GOAT ANTI-HUMAN IGG (WM) 2MG  
55144 FITC GOAT ANTI-HUMAN IGG (WHOLE MOLECULE) 2ML  
55908 PURIFIED HUMAN IGG 50MG  
55984 NORMAL GOAT SERUM 2ML

**For additional fluorochrome, enzyme, and biotin conjugates, and peroxidase substrates, please see our catalog.**

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

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