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# cappel

**FLUORESCHEIN-CONJUGATED GOAT  
AFFINITY PURIFIED F(AB')<sub>2</sub> FRAGMENT  
TO HUMAN IGG FC - 2MG**

**Catalog #:** 56988

**Lot #:** 02625

Total Protein: 3.39 mg/ml

F/P Ratio: 4.5 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 Fc 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 antibody is standardized by equivalence-point precipitation. The affinity purified antibody 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 Fc and IgG; cross-reactivity to other species may exist. Antibody activity to Fab, IgA, IgM, or non-immunoglobulin serum proteins is not present.

## **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

55095 GOAT ANTI-HUMAN IGG FC 2ML  
55014 IGG GOAT ANTI-HUMAN FC 5ML  
55053 F(AB')<sub>2</sub> GOAT ANTI-HUMAN IGG FC 2ML  
55071 AFF.PUR. GOAT ANTI-HUMAN IGG FC 2MG  
55198 FITC AFF.PUR. GOAT ANTI-HUMAN IGG FC 2MG  
55911 PURIFIED HUMAN IGG FC 10MG  
55984 NORMAL GOAT SERUM 2ML

**For additional fluorochrome and enzyme conjugates, peroxidase substrates, and antisera to human IgG subclasses, please see our catalog.**

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

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