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# cappel

**FLUORESCHEIN-CONJUGATED GOAT F(AB')<sub>2</sub> FRAGMENT  
TO HUMAN LAMBDA CHAIN (BOUND) - 2ML**

**Catalog #: 55189**

**Lot #: 37727**

Total Protein: 10.6 mg/ml  
F/P Ratio: 4.7 mol/mol

## DESCRIPTION:

Product is the lyophilized powder of fluorescein-5-isothiocyanate (FITC "Isomer I")-conjugated goat F(ab')<sub>2</sub> fragment to human lambda chain (bound) 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. 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 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 with an in-house control by immunoelectrophoresis. The F(ab')<sub>2</sub> fragments are tested for purity and specificity at a minimum of 20 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 bound lambda light chains; cross-reactivity to other species may exist. Because the product is directed against the lambda chains in Fab, some antibodies are expected to bind light chain sites common to all immunoglobulins. Antibody activity to free lambda light chains may be present. Antibody activity to human kappa Fab, free kappa light chains 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

55106 (01010281) GOAT ANTI-HUMAN LAMBDA (BOUND) 2ML  
55026 (02010281) IGG GOAT ANTI-HUMAN LAMBDA CHAIN (BOUND) 5ML  
55060 (03010281) F(AB')<sub>2</sub> GOAT ANTI-HUMAN LAMBDA CHAIN (BOUND) 2ML  
55160 (12010281) FITC GOAT ANTI-HUMAN LAMBDA (BOUND) 2ML  
55234 (32010281) HRP GOAT ANTI-HUMAN LAMBDA CHAIN (BOUND) 2ML  
55984 (50061380) NORMAL GOAT SERUM 2ML  
40030 BOSERAL PUR 10MG

**For peroxidase substrates, please see our catalog.**

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

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OR TO OBTAIN TECHNICAL ASSISTANCE IN THE U.S., PLEASE CALL 800-279-5490  
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