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# cappel

**BIOTIN-CONJUGATED SHEEP  
AFFINITY PURIFIED F(AB')<sub>2</sub> FRAGMENT TO  
MOUSE IGG (NO CROSS TO HUMAN) - 1ML**

**Catalog #: 55600**

**Lot #: 07141**

**Titer: 1:32,000**

## **DESCRIPTION:**

Product is biotin-conjugated sheep affinity purified F(ab')<sub>2</sub> fragment to mouse IgG (whole molecule) in a stabilized solution.

Antibody fragments and highly purified N-hydroxysuccinimidobiotin are conjugated under defined conditions to obtain optimally labeled product. Conjugated protein is purified by gel filtration. The product is supplied in 0.02M sodium phosphate, 0.14M sodium chloride, pH 7.3, with 1% bovine albumin, 0.05% sodium azide, and 10% glycerol (v/v), adjusted to standard titer, filtered through a 0.22 µm filter, and vialled.

## **USES:**

Biotin-conjugated antibodies can be used with labeled avidin reagents for enzyme immunoassays (EIA), cell and tissue staining (for light microscopy), and blot immunostaining. Use of affinity purified antibodies is recommended to avoid non-specific binding from the inherent antibodies of host animals. F(ab')<sub>2</sub> fragments are recommended for staining of cells or tissues which contain Fc receptors.

See **Related Product Ordering Information**.

## **SPECIFICATIONS:**

To ensure that the product titer falls within the required range, antibody titer is standardized by microtiter plate ELISA with mouse IgG and human IgG. The affinity purified F(ab')<sub>2</sub> fragment is tested for purity at 10 mg/ml by immunoelectrophoresis. The fragment is sheep F(ab')<sub>2</sub>; no trace of albumin, whole molecule IgG or Fc is detected. It shows reactivity to mouse IgG. Because the product is directed against whole IgG, some antibodies are expected to bind light chain sites common to all immunoglobulins. Antibody activity to human IgG or mouse non-immunoglobulin serum proteins is not present.

## **EXPIRATION DATE:**

6/30/2016

## **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.

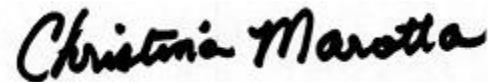
This product contains sodium azide. To prevent formation of toxic vapors, do not mix with strongly acidic solutions. To prevent formation of potentially explosive metallic azides in metal plumbing, always wash into drain with copious quantities of water.

**RELATED PRODUCT ORDERING INFORMATION:**

Catalog #   Description   Size

55827 AVIDIN 5MG  
55880 FITC-CONJUGATED AVIDIN 5MG  
55894 TEXAS RED-CONJUGATED AVIDIN 5MG  
55898 PEROXIDASE-CONJUGATED AVIDIN 5MG  
55899 GLUCOSE OXIDASE-CONJUGATED AVIDIN 5MG  
55963 ALKALINE PHOSPHATASE-CONJUGATED AVIDIN 1MG  
56406 DIETHYLAMINOCOUMARIN-CONJUGATED AVIDIN 1MG  
55964 ALKALINE PHOSPHATASE-CONJUGATED BIOTIN 1ML  
55939 PURIFIED MOUSE IGG 20MG  
55992 NORMAL SHEEP SERUM 2ML  
40030 BOSERAL PUR 10GM

**For unconjugated antibodies, enzyme and fluorochrome conjugates, and peroxidase substrates, please see our catalog.**



**Approved by:** *Christina Marotta*  
Quality Control Director

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OR TO OBTAIN TECHNICAL ASSISTANCE IN THE U.S., PLEASE CALL 800-279-5490  
OUTSIDE THE U.S., CONTACT YOUR LOCAL DISTRIBUTOR.**