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# cappel

**FLUORESCHEIN-CONJUGATED GOAT AFFINITY PURIFIED  
ANTIBODY TO MOUSE IMMUNOGLOBULINS  
(IGG,IGA,IGM) - 2MG**

**Catalog #: 55521**

**Lot #: 40064**

Total Protein: 1.2 mg/ml

F/P Ratio: 4.4 mol/mol

## **DESCRIPTION:**

Product is fluorescein-5-isothiocyanate (FITC "Isomer I")-conjugated goat affinity purified antibody to mouse immunoglobulins (IgG,IgA,IgM) 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  $\mu$ m 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 these affinity purified antibodies is recommended to avoid non-specific binding from the inherent antibodies of host animals. (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 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 with an in-house control by immunoelectrophoresis. The affinity purified antibody is tested for purity at 10 mg/ml using immunoelectrophoresis. The product is goat IgG; no trace of albumin is detected. This product shows reactivity to mouse immunoglobulins (IgG,IgA,IgM); cross-reactivity to other species may exist. Antibody activity to non-immunoglobulins 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

55441 GOAT ANTI-MOUSE IMMUNOGLOBULINS (G,A,M) 2ML  
55461 IGG GOAT ANTI-MOUSE IMMUNOGLOBULINS (G,A,M) 5ML  
55486 AFF.PUR. GOAT ANTI-MOUSE IMMUNOGLOBULINS (G,A,M) 2MG  
55491 AFF.PUR. F(AB')<sub>2</sub> GOAT ANTI-MOUSE IMMUNO. (G,A,M) 2MG  
55861 PURIFIED MOUSE GAMMA GLOBULIN 25MG  
55939 PURIFIED MOUSE IGG 20MG  
50325 PURIFIED MOUSE MYELOMA IGA(k2) MOPC 315 1MG  
50326 PURIFIED MOUSE MYELOMA IGA(j) TEPC 15 1MG  
50335 PURIFIED MOUSE MYELOMA IGM(k1) MOPC 104E 1MG  
50336 PURIFIED MOUSE MYELOMA IGM(j) TEPC 183 1MG  
55984 NORMAL GOAT SERUM 2ML

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

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

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