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# cappel

**FLUORESCHEIN-CONJUGATED GOAT AFFINITY PURIFIED  
ANTIBODY TO MOUSE IGM (m specific) - 2MG**

**Catalog #: 55519**

**Lot #: 07520**

Total Protein: 1.1 mg/ml  
F/P Ratio: 5.9 mol/mol  
Active Antibody: 1.0 mg/ml

## DESCRIPTION:

Product is fluorescein-5-isothiocyanate (FITC "Isomer I")-conjugated goat affinity purified antibody to mouse IgM (m specific) 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 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 by equivalence-point precipitation. 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 IgM; cross-reactivity to other species may exist. Antibody activity to IgG, IgA, or non-immunoglobulin serum proteins is not present.

## EXPIRATION DATE:

5/31/2020

## 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

55438   GOAT ANTI-MOUSE IGG F(AB')<sub>2</sub>   2ML  
55458   IGG GOAT ANTI-MOUSE IGG F(AB')<sub>2</sub>   5ML  
55471   F(AB')<sub>2</sub> GOAT ANTI-MOUSE IGG F(AB')<sub>2</sub>   2ML  
55483   AFF.PUR. GOAT ANTI-MOUSE IGG F(AB')<sub>2</sub>   2MG  
55940   PURIFIED MOUSE IGG F(AB')<sub>2</sub>   5MG  
55984   NORMAL GOAT SERUM   2ML

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

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

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