



**MP Biomedicals, LLC.**

29525 Fountain Parkway  
Solon, Ohio 44139

Telephone: 440/337-1200

Toll Free: 800/854-0530

Fax: 440/337-1180

mailto:biotech@mpbio.com

web: www.mpbio.com

# cappel

**GOAT AFFINITY PURIFIED  
F(AB')<sub>2</sub> FRAGMENT TO  
MOUSE IGG (WHOLE MOLECULE) - 2MG**

**Catalog #: 55487**

**Lot #: 01322A**

Total Protein: 1.86 mg/ml  
Active Antibody: 1.0 mg/ml

## **DESCRIPTION:**

Product is goat affinity purified F(ab')<sub>2</sub> fragments to mouse IgG (whole molecule) and buffer salts.

The affinity purified F(ab')<sub>2</sub> fragment is prepared from the specific goat IgG fraction by limited digestion with pepsin and solid phase absorption. The resulting affinity purified F(ab')<sub>2</sub> fragment is dialyzed into 0.02M sodium phosphate, 0.14M sodium chloride, pH 7.3, adjusted to standard titer, filtered through a 0.22 µm filter, and vialled.

## **USES:**

This product is suitable for use as a precipitating antibody. It gives sharp precipitin lines in immunoelectrophoresis and immunodiffusion techniques.

This product is suitable for conjugation with enzymes, radiolabels, fluorochromes or other markers, and for attachment to solid supports for use as an immunoabsorbant.

This product is suitable for use as a primary reagent in enzyme immunoassays, fluorescein immunoassays and blot, cell or tissue immunostaining. These affinity purified antibodies are 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:**

The total protein is measured by absorbance (A<sub>280nm</sub>). Antibody titer is standardized by equivalence-point precipitation. Each affinity purified F(ab')<sub>2</sub> fragment 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. It shows reactivity to mouse IgG; cross-reactivity to other species may exist. Because the product is directed against whole IgG, some antibodies are expected to bind light chain sites common to all immunoglobulins. Antibody activity to non-immunoglobulin serum proteins is not present.

## **STORAGE:**

Store unopened product at 2-8°C. Store opened material no longer than 1-2 days at 2-8°C unless preservative is added. 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.

**RELATED PRODUCT ORDERING INFORMATION:**

Catalog #   Description   Size

55435 GOAT ANTI-MOUSE IGG (WHOLE MOLECULE) 2ML  
55455 IGG GOAT ANTI-MOUSE IGG (WHOLE MOLECULE) 5ML  
55468 F(AB')<sub>2</sub> GOAT ANTI-MOUSE IGG (WHOLE MOLECULE) 2ML  
55477 FAB GOAT ANTI-MOUSE IGG (WHOLE MOLECULE) 5ML  
55479 AFF.PUR. GOAT ANTI-MOUSE IGG (WHOLE MOLECULE) 2MG  
55581 AFF.PUR. GOAT ANTI-MOUSE IGG (WM) AFF. GEL 2ML  
55939 PURIFIED MOUSE IGG 20MG  
55960 MOUSE IGG AFFINITY GEL 2ML

**For fluorochrome, enzyme and biotin conjugates, and mouse IgG subclasses, please see our catalog.**

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

**TO PLACE AN ORDER IN THE U.S., PLEASE CALL 800-854-0530  
OR TO OBTAIN TECHNICAL ASSISTANCE IN THE U.S., PLEASE CALL 800-279-5490  
OUTSIDE THE U.S., CONTACT YOUR LOCAL DISTRIBUTOR.**