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# cappel

**GOAT AFFINITY PURIFIED  
F(AB')<sub>2</sub> FRAGMENT TO HUMAN IGM (5Fc MU) - 2MG**

**Catalog #: 56960**

**Lot #: 01499**

Total Protein: 1.05 mg/ml  
Active Antibody: 1.0 mg/ml

## **DESCRIPTION:**

Product is goat affinity purified F(ab')<sub>2</sub> fragments to human IgM (5Fc  $\mu$ ) 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, 0.05% sodium azide added, adjusted to standard titer, filtered through a 0.22  $\mu$ m 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 ( $A_{280\text{nm}}$ ). 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 human IgM; cross-reactivity to other species may exist. Antibody activity to human IgG, IgA, or 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

55097 GOAT ANTI-HUMAN IGM (5 FC  $\mu$ ) 2ML  
55017 IGG GOAT ANTI-HUMAN IGM (5FC  $\mu$ ) 5ML  
55055 F(AB')<sub>2</sub> GOAT ANTI-HUMAN IGM (5FC  $\mu$ ) 2ML  
55073 AFF.PUR. GOAT ANTI-HUMAN IGM (5FC  $\mu$ ) 2MG  
55916 PURIFIED HUMAN IGM 5MG

**For fluorochrome, enzyme and biotin conjugates, 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  
OUTSIDE THE U.S., CONTACT YOUR LOCAL DISTRIBUTOR.**