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# cappel

**GOAT AFFINITY PURIFIED ANTIBODY TO  
RAT IGG (WHOLE MOLECULE) - 2MG**

**Catalog #: 55740**

**Lot #: 06786**

Total Protein: 1.04 mg/ml  
Active Antibody: 1.0 mg/ml

## **DESCRIPTION:**

Product is goat affinity purified antibody to rat IgG (whole molecule) and buffer salts.

The affinity purified antibody is prepared from the specific goat IgG fraction by solid phase absorption. The resulting affinity purified antibody is dialyzed into 0.02M sodium phosphate, 0.14M sodium chloride, pH 7.3, adjusted to standard titer, filtered through a 0.22  $\mu$ m filter, and vialled. No preservative has been added.

## **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. (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.)

## **SUGGESTED WORKING DILUTIONS**

1:50 - 1:200 for Tissue Staining

1:100 - 1:500 for Immunoblotting

1:400 - 2,000 for Elisa

**It is recommended that each lab obtain their own optimal working dilution for each assay**

## **SPECIFICATIONS:**

The total protein is measured by absorbance (A<sub>280nm</sub>). Antibody titer is standardized by equivalence-point precipitation. Each affinity purified antibody is tested for purity at 10 mg/ml using immunoelectrophoresis. The product is goat IgG; no trace of albumin is detected. It shows reactivity to rat 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.

**EXPIRATION DATE:**

June 30, 2014

**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:**

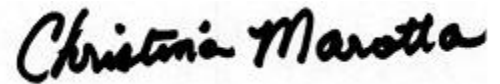
This product is intended **FOR RESEARCH USE ONLY**, not for use in diagnostic or therapeutic procedures involving humans or animals.

**RELATED PRODUCT ORDERING INFORMATION:**

Catalog # Description Size

55703 GOAT ANTI-RAT IGG (WHOLE MOLECULE) 2ML  
55722 IGG GOAT ANTI-RAT IGG (WHOLE MOLECULE) 5ML  
55736 F(AB')<sub>2</sub> GOAT ANTI-RAT IGG (WHOLE MOLECULE) 2ML  
55744 AFFINITY PURIFIED F(AB')<sub>2</sub> GOAT ANTI-RAT IGG (WM) 2MG  
55951 PURIFIED RAT IGG 20MG  
55786 AFF.PUR. GOAT ANTI-RAT IGG (WM) AFF. GEL 2ML

**For fluorochrome, enzyme and biotin conjugates, 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.**