



**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

**PEROXIDASE-CONJUGATED GOAT IGG FRACTION TO  
GUINEA PIG IGG (WHOLE MOLECULE) - 2ML**

**Catalog #: 55391**

**Lot #: 02720**

Total Protein: 22.0 mg/ml

Titer: 1:90,900

## DESCRIPTION:

Product is the lyophilized powder of horseradish peroxidase (HRP)-conjugated goat IgG fraction to guinea pig IgG (whole molecule) and buffer salts.

Antibody and highly purified HRP ( $R_z > 3.0$ ) are conjugated under defined conditions to obtain optimally labeled product. Conjugated protein is purified by salt fractionation. The product is dialyzed into 0.02M sodium phosphate, 0.14M sodium chloride, pH 7.3, with 0.01% thimerosal, adjusted to standard titer, filtered through a 0.22  $\mu$ m filter, vialled and lyophilized.

## USES:

This product is suitable for use as a reagent in enzyme immunoassays (EIA), cell and tissue staining (for light microscopy), cell and tissue labeling (for electron microscopy), and blot immunostaining. (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 using the Biuret procedure with bovine albumin as the standard. To ensure that the product titer falls within the required range, antibody titer is standardized by microtiter plate ELISA with guinea pig IgG. The product is tested for purity and specificity at final concentration by immunoelectrophoresis. The antibody is predominantly goat IgG; no trace of albumin is detected. It shows reactivity to guinea pig 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.

## RECONSTITUTION:

Reconstitute product with 2.0 ml of deionized or distilled water. Gentle swirling may be used to speed rehydration. Do not add sodium azide. Avoid vigorous shaking of the reconstituted material.

## STORAGE:

Store lyophilized product at 2-8°C. For long-term storage, aliquot and freeze reconstituted product at -20°C or lower.

## 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

55367 GOAT ANTI-GUINEA PIG IGG (WHOLE MOLECULE) 2ML  
55375 IGG GOAT ANTI-GUINEA PIG IGG (WHOLE MOLECULE) 5ML  
55382 FITC GOAT ANTI-GUINEA PIG IGG (WHOLE MOLECULE) 2ML  
55387 FITC F(AB')<sub>2</sub> GOAT ANTI-GUINEA PIG IGG (WM) 2ML  
55389 RHO GOAT ANTI-GUINEA PIG IGG (WHOLE MOLECULE) 2ML  
55931 PURIFIED GUINEA PIG IGG 20MG  
36315 DAB 6x1ML  
36317 OPD 6x1ML  
36318 TMB 6x1ML  
36319 ABTS\ 6x1ML  
55984 NORMAL GOAT SERUM 2ML

ABTS is a registered trademark of Boehringer Mannheim GmbH.

  
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.**