



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 HUMAN IGG FAB - 2ML

Catalog #: 55223

Lot #: 03445

Total Protein: 15.1 mg/ml

Titer: 1:157,000

### DESCRIPTION:

Product is the lyophilized powder of horseradish peroxidase (HRP)-conjugated goat IgG fraction to human IgG Fab 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.

See **Related Product Ordering Information**.

### 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 human 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 human IgG Fab; cross-reactivity to other species may exist. Because the product is directed against Fab, some antibodies are expected to bind light chain sites common to all immunoglobulins. Antibody activity to Fc or non-immunoglobulin serum proteins is not present.

### DILUTION RECCOMENDATIONS:

1:500 - 1:4,000 for Tissue Staining  
1:1,000 - 1:8,000 for Immuno Blotting  
1:2,000 - 1:16,000 for ELISA/FIA

### 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

55090 (01010101) GOAT ANTI-HUMAN IGG FAB 2ML  
55010 (02010101) IGG GOAT ANTI-HUMAN IGG FAB 5ML  
55147 (12010101) FITC GOAT ANTI-HUMAN IGG FAB 2ML  
55909 (60010100) PURIFIED HUMAN IGG FAB 10MG  
36315 (50299) DAB 6x1ML  
36317 (50301) OPD 6x1ML  
36318 (50302) TMB 6x1ML  
36319 (50303) ABTS, 6x1ML  
55984 (50061380) NORMAL GOAT SERUM 2ML  
40030 BOSERAL PUR 10GM

**For antisera to human IgG subclasses, please see our catalog.**

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.**