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# cappel

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

**Catalog #: 55220**

**Lot #: 07515**

Total Protein: 6.1 mg/ml

Titer: 1:94,000

## DESCRIPTION:

Product is the lyophilized powder of horseradish peroxidase (HRP)-conjugated goat IgG fraction to human 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. Affinity purified antibodies or their fragments are recommended to avoid non-specific binding from inherent antibodies of host animals. 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 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; 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:

3/31/2020

## 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

55087 GOAT ANTI-HUMAN IGG (WHOLE MOLECULE) 2ML  
55007 IGG GOAT ANTI-HUMAN IGG (WHOLE MOLECULE) 5ML  
55049 F(AB')<sub>2</sub> GOAT ANTI-HUMAN IGG (WHOLE MOLECULE) 2ML  
55067 FAB GOAT ANTI-HUMAN IGG (WHOLE MOLECULE) 5ML  
55070 AFF.PUR. GOAT ANTI-HUMAN IGG (WHOLE MOLECULE) 2MG  
55075 AFF.PUR. F(AB')<sub>2</sub> GOAT ANTI-HUMAN IGG (WM) 2MG  
55259 AFF.PUR. GOAT ANTI-HUMAN IGG (WM) AFF. GEL 2ML  
59290 AKP AFF.PUR. GOAT ANTI-HUMAN IGG (WM) 1ML  
59285 AKP AFF.PUR. F(AB')<sub>2</sub> GOAT ANTI-HUMAN IGG (WM) 1ML  
55244 HRP F(AB')<sub>2</sub> GOAT ANTI-HUMAN IGG (WHOLE MOLECULE) 2ML  
55252 HRP AFFINITY PURIFIED GOAT ANTI-HUMAN IGG (WM) 2ML  
55908 PURIFIED HUMAN IGG 50MG  
36315 DAB 6x1ML  
36317 OPD 6x1ML  
36318 TMB 6x1ML  
36319 ABTS\ 6x1ML  
55984 NORMAL GOAT SERUM 2ML

**For fluorochrome and biotin conjugates, and antisera to human IgG subclasses, please see our catalog.**

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Approved by: John Huang, PhD  
Quality Control Manager

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