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# cappel

**PEROXIDASE-CONJUGATED GOAT IGG FRACTION TO  
HUMAN IGM (5Fc  $\mu$ ) - 2ML**

**Catalog #: 55228**

**Lot #: 06396**

Total Protein: 10.0 mg/ml

Titer: 1:185,000

## **DESCRIPTION:**

Product is the lyophilized powder of horseradish peroxidase (HRP)-conjugated goat IgG fraction to human IgM (5Fc  $\mu$ ) 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 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 IgM. 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 IgM; cross-reactivity to other species may exist. Antibody activity to IgG, IgA, Fab, 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.

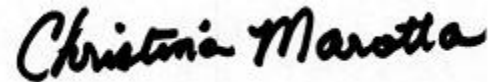
**RELATED PRODUCT ORDERING INFORMATION:**

Catalog #   Description   Size

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  
59288 AKP AFF.PUR. GOAT ANTI-HUMAN IGM (5FC  $\mu$ )   1ML  
55247 HRP F(AB')<sub>2</sub> GOAT ANTI-HUMAN IGM (5FC  $\mu$ )   2ML  
55255 HRP AFF.PUR. GOAT ANTI-HUMAN IGM (5FC  $\mu$ )   2ML  
55916 PURIFIED HUMAN IGM   5MG  
36315 DAB   6x1ML  
36317 OPD   6x1ML  
36318 TMB   6x1ML  
36319 ABTS\   6x1ML  
55984 NORMAL GOAT SERUM   2ML

**For fluorochrome conjugates, please see our catalog.**

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**Approved by:** Christina Marotta  
Quality Control Director

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