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# cappel

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

**Catalog #: 55228**

**Lot #: 07101**

Total Protein: 6.2 mg/ml

Titer: 1:130,000

## **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, adjusted to standard titer, filtered through a 0.22  $\mu$ m filter, vialled and lyophilized. No preservative has been added.

## **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.

## **EXPIRATION DATE:**

2/28/2019

## **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.

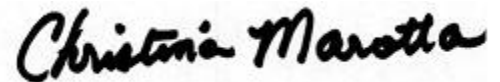
**RELATED PRODUCT ORDERING INFORMATION:**

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.**

ABTS is a registered trademark of Boehringer Mannheim GmbH.



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

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