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# cappel

**PEROXIDASE-CONJUGATED GOAT IGG FRACTION TO  
HUMAN KAPPA CHAIN (BOUND) - 2ML**

**Catalog #: 55233**

**Lot #: 06493**

Total Protein: 7.2 mg/ml

Titer: 1:176,000

## **DESCRIPTION:**

Product is the lyophilized powder of horseradish peroxidase (HRP)-conjugated goat IgG fraction to human kappa light chain (bound) 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.

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 kappa Fab. 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 kappa Fab; cross-reactivity to other species may exist. Because the product is directed against the kappa chains in Fab, some antibodies are expected to bind light chain sites common to all immunoglobulins. Antibody activity to free kappa light chains may be present. Antibody activity to human lambda Fab, free lambda light chains, 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:**

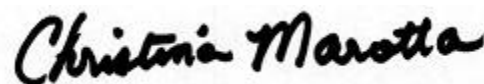
This product is intended **FOR RESEARCH USE ONLY**, not for use in diagnostic or therapeutic procedures involving humans or animals.

**RELATED PRODUCT ORDERING INFORMATION:**

Catalog # Description Size

55104 (01010242) RABBIT ANTI-HUMAN KAPPA CHAIN (BOUND) 2ML  
55024 (02010242) IGG RABBIT ANTI-HUMAN KAPPA CHAIN (BOUND) 5ML  
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

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Approved by: *Christina Marotta*  
Quality Control Director

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