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# cappel

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

**Catalog #: 55332**

**Lot #: 07782**

Total Protein: 10.8 mg/ml

Titer: 1:113,000

**DESCRIPTION:**

Product is the lyophilized powder of horseradish peroxidase (HRP)-conjugated goat IgG fraction to dog 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, adjusted to standard titer, filtered through a 0.22  $\mu\text{m}$  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:  $F(ab')_2$  fragments are recommended for staining of cells or tissues which contain Fc receptors. See **Related Product Ordering Information** for these products.)

**SUGGESTED WORKING DILUTIONS:**

1:500 - 1:4,000 for Tissue Staining

1:1,000 - 1:8,000 for Immunoblotting

1:2,000 - 1:16,000 for ELISA

**It is recommended that each lab obtain their own optimal working dilution for each assay.**

**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 dog 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 dog 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:**

10/31/2023

**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

55310	GOAT ANTI-DOG IGG (WHOLE MOLECULE)	2ML
55318	IGG GOAT ANTI-DOG IGG (WHOLE MOLECULE)	5ML
55325	FITC GOAT ANTI-DOG IGG (WHOLE MOLECULE)	2ML
55330	FITC F(AB') <sub>2</sub> GOAT ANTI-DOG IGG (WHOLE MOLECULE)	2ML
55924	PURIFIED DOG IGG	50MG
36315	DAB	6x1ML
36317	OPD	6x1ML
36318	TMB	6x1ML
36319	ABTS\	6x1ML
55984	NORMAL GOAT SERUM	2ML

ABTS is a registered trademark of Boehringer Mannheim GmbH.

  
Approved by: *John Huang, PhD*  
Quality Control Manager

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