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TECHNICAL INFORMATION

cappel

Catalog Number: 55332

Peroxidase-Conjugated Goat IgG Fraction To Dog IgG (Whole Molecule)

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 μ 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')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.

RECONSTITUTION: Reconstitute product with 2.0 ml of deionized or distilled water. Gentle swirling may be used to speed rehydration. Avoid vigorous shaking of the reconstituted material.

RELATED PRODUCT ORDERING INFORMATION:

Catalog #DescriptionSize

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')₂ GOAT ANTI-DOG IGG (WHOLE MOLECULE)2ML

55924 PURIFIED DOG IGG50MG

36315 DAB6x1ML

36317 OPD6x1ML

36318 TMB6x1ML

36319 ABTS\6x1ML

55984 NORMAL GOAT SERUM2ML

ABTS is a registered trademark of Boehringer Mannheim GmbH.

Note: This product may contain a preservative such as sodium azide, thimerosal or proclin. Please see lot specific chemical credential for preservative information.

[If a titer/working dilution is not given above, please click here to see a general dilution chart for working with antibodies. Please note that the general dilution chart should only be used as a guideline. Each lab should determine their own optimal working dilution.](#)

[Will this antibody work with your application? Please click here to see a general chart of antibody applications. Please note that any information given above is primary application data. The general applications charts should only be used as a reference.](#)