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## TECHNICAL INFORMATION

# cappel

Catalog Number: 55237

### Peroxidase-Conjugated Goat IgG Fraction To Human Complement C3

**DESCRIPTION:** Product is the lyophilized powder of horseradish peroxidase (HRP)-conjugated goat IgG fraction to human complement C3 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.

**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. 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 - 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 human complement C3. 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 complement C3; cross-reactivity to other species may exist. Antibody activity to complement components C4-C9 or 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. Do not add sodium azide. Avoid vigorous shaking of the reconstituted material.

**RELATED PRODUCT ORDERING INFORMATION:**

Catalog #DescriptionSize

55117GOAT ANTI-HUMAN COMPLEMENT C32ML

55033IGG GOAT ANTI-HUMAN COMPLEMENT C35ML

55062F(AB')<sub>2</sub> GOAT ANTI-HUMAN COMPLEMENT C3 2ML

55167FITC GOAT ANTI-HUMAN COMPLEMENT C3 2ML

55191FITC F(AB')<sub>2</sub> GOAT ANTI-HUMAN COMPLEMENT C32ML

36315DAB6x1ML

36317OPD6x1ML

36318TMB6x1ML

36319ABTS\6x1ML

55984NORMAL 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.](#)