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## TECHNICAL INFORMATION

# cappel

Catalog Number: 55646

### Fluorescein-Conjugated Goat IgG Fraction To Rabbit IgG (Whole Molecule)

**DESCRIPTION:** Product is the lyophilized powder of fluorescein-5-isothiocyanate (FITC "Isomer I")-conjugated goat IgG fraction to rabbit IgG (whole molecule) and buffer salts.

Antibody and FITC are conjugated under defined conditions to obtain the specified molar ratio (3-6 mol/mol). Conjugated protein is purified by gel filtration. 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 µm filter, vialled, and lyophilized.

**USES:** This product is suitable for use as a reagent in immunofluorescence assays (IFA), cell staining (fluorescent microscopy and cell sorting), tissue staining, 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 the 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; F/P ratio is calculated using absorbance at 491.5nm. Antibody titer of the IgG fraction is standardized by equivalence-point precipitation. The IgG fraction is tested for purity and specificity at 40 mg/ml using immunoelectrophoresis. The product is mostly goat IgG; no trace of albumin is detected. This product shows reactivity to rabbit 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

55602 GOAT ANTI-RABBIT IGG (WHOLE MOLECULE)2ML  
55622 IGG GOAT ANTI-RABBIT IGG (WHOLE MOLECULE)5ML  
55636 F(AB')<sub>2</sub> GOAT ANTI-RABBIT IGG (WHOLE MOLECULE)2ML  
55640 FAB GOAT ANTI-RABBIT IGG (WHOLE MOLECULE)5ML  
55641 AFF.PUR. GOAT ANTI-RABBIT IGG (WHOLE MOLECULE) 2MG  
55644 AFF.PUR. F(AB')<sub>2</sub> GOAT ANTI-RABBIT IGG (WM)2MG  
55696 AFF.PUR. GOAT ANTI-RABBIT IGG (WM) AFF. GEL2ML  
55944 PURIFIED RABBIT IGG50MG  
55984 NORMAL GOAT SERUM2ML

**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.](#)