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## TECHNICAL INFORMATION

# cappel

Catalog Number: 55148

### Fluorescein-Conjugated Goat IgG Fraction To Human IgG F(ab')<sub>2</sub>

**DESCRIPTION:** Product is the lyophilized powder of fluorescein-5-isothiocyanate (FITC "Isomer I")-conjugated goat IgG fraction to human IgG F(ab')<sub>2</sub> 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. 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 human F(ab')<sub>2</sub> and IgG; cross-reactivity to other species may exist. Because the product is directed against IgG F(ab')<sub>2</sub>, some antibodies are expected to bind light chain sites common to all immunoglobulins. Antibody activity to human Fc or 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

55012 IGG GOAT ANTI-HUMAN IGG F(AB')<sub>2</sub>25ML  
55051 F(AB')<sub>2</sub> GOAT ANTI-HUMAN IGG F(AB')<sub>2</sub>22ML  
55092 GOAT ANTI-HUMAN IGG F(AB')<sub>2</sub>22ML  
55182 FITC F(AB')<sub>2</sub> GOAT ANTI-HUMAN IGG F(AB')<sub>2</sub>22ML  
55224 HRP GOAT ANTI-HUMAN IGG F(AB')<sub>2</sub>22ML  
55245 HRP F(AB')<sub>2</sub> GOAT ANTI-HUMAN IGG F(AB')<sub>2</sub>22ML  
55910 PURIFIED HUMAN IGG F(AB')<sub>2</sub>210MG  
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.](#)