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## TECHNICAL INFORMATION

**cappel**

Catalog Number: 55499

### Fluorescein-Conjugated Goat IgG Fraction To Mouse Immunoglobulins (IgG, IgA, IgM)

**DESCRIPTION:** Product is the lyophilized powder of fluorescein-5-isothiocyanate (FITC "Isomer I")-conjugated goat IgG fraction to mouse immunoglobulins (IgG, IgA, IgM) 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.)

#### SUGGESTED WORKING DILUTIONS:

1:100 - 1:400 for Tissue Staining  
1:250 - 1:1,000 for Immunoblotting  
1:1,000 - 4,000 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; F/P ratio is calculated using absorbance at 491.5nm. Antibody titer of the IgG fraction is standardized with an in-house control by immunoelectrophoresis. 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 mouse immunoglobulins (IgG, IgA, IgM); cross-reactivity to other species may exist. 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

55441 GOAT ANTI-MOUSE IMMUNOGLOBULINS (G,A,M)2ML  
55461 IGG GOAT ANTI-MOUSE IMMUNOGLOBULINS (G,A,M) 5ML  
55486 AFF.PUR. GOAT ANTI-MOUSE IMMUNO. (G,A,M)2MG  
55491 AFF.PUR. F(AB')<sub>2</sub> GOAT ANTI-MOUSE IMMUNO. (G,A,M)2MG  
55939 PURIFIED MOUSE IGG20MG  
50325 PURIFIED MOUSE MYELOMA IGA(k2) MOPC 3151MG  
50326 PURIFIED MOUSE MYELOMA IGA(j) TEPC 151MG  
50335 PURIFIED MOUSE MYELOMA IGM(k1) MOPC 104E1MG  
50336 PURIFIED MOUSE MYELOMA IGM(j) TEPC 183 1MG  
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.](#)