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## TECHNICAL INFORMATION

# cappel

Catalog Number: 55435

### Goat Antiserum To Mouse IgG (Whole Molecule)

**DESCRIPTION:** Product is the lyophilized powder of goat antiserum to mouse IgG (whole molecule) and buffer salts. The antiserum is prepared by hyperimmunizing goats with highly purified mouse IgG; antiserum is delipidated and made specific by solid-phase absorption. The resulting antiserum 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 precipitating antibody. It gives sharp precipitin lines in immunoelectrophoresis and immunodiffusion techniques.

(Note: IgG fractions are suitable for conjugation with enzymes, radiolabels, fluorochromes or other markers and for attachment to solid supports for use as an immunoabsorbant. 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 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 a standard. Antibody titer is standardized by equivalence-point precipitation. Each antiserum is tested for specificity at a minimum of 80 mg/ml using immunoelectrophoresis. It shows reactivity to mouse 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

55455 (02110081)IGG GOAT ANTI-MOUSE IGG (WHOLE MOLECULE)5ML  
55468 (03110081)F(AB')<sub>2</sub> GOAT ANTI-MOUSE IGG (WHOLE MOLECULE)2ML  
55477 (04110081)FAB GOAT ANTI-MOUSE IGG (WHOLE MOLECULE)5ML  
55479 (06110081)AFF.PUR. GOAT ANTI-MOUSE IGG (WHOLE MOLECULE) 2MG  
55487 (07110081)AFF.PUR. F(AB')<sub>2</sub> GOAT ANTI-MOUSE IGG(WM)2MG  
55939 (60110080)PURIFIED MOUSE IGG20MG

**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.](#)