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## Certificate of Analysis

cappel

**RABBIT ANTISERUM TO  
MOUSE IGG (WHOLE MOLECULE) - 2ML**  
Catalog #: 55436  
Lot #: 06412

Total Protein: 21.1 mg/ml  
Antibody Protein: 4 mg/ml

### DESCRIPTION:

Product is the lyophilized powder of rabbit antiserum to mouse IgG (whole molecule) and buffer salts.

The antiserum is prepared by hyperimmunizing rabbits 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, with 0.05% sodium azide, 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.

### STORAGE:

Store lyophilized product at 2-8°C. Store reconstituted material no longer than 4 weeks at 2-8°C. For long-term storage, aliquot and freeze reconstituted product at -20°C or lower.

### WARNING AND CAUTION:

This product is intended **FOR RESEARCH USE ONLY**, not for use in diagnostic or therapeutic procedures involving humans or animals.

This product contains sodium azide. To prevent formation of toxic vapors, do not mix with strongly acidic solutions. To prevent formation of potentially explosive metallic azides in metal plumbing, always wash into drain with copious quantities of water.

### RELATED PRODUCT ORDERING INFORMATION:

Catalog #DescriptionSize

55456 (02110082)IGG RABBIT ANTI-MOUSE IGG (WHOLE MOLECULE) 5ML  
55469 (03110082)F(AB')2 RABBIT ANTI-MOUSE IGG (WHOLE MOLECULE) 2ML  
55480 (06110082)AFF.PUR. RABBIT ANTI-MOUSE IGG (WHOLE MOLECULE)2MG  
55939 (60110080)PURIFIED MOUSE IGG20MG

For fluorochrome and enzyme conjugates, and mouse IgG subclasses, please see our catalog.

*Christina Marotta*

Approved by: *Christina Marotta*  
Quality Control Director

TO PLACE AN ORDER IN THE U.S., PLEASE CALL 800-854-0530  
OR TO OBTAIN TECHNICAL ASSISTANCE IN THE U.S., PLEASE CALL 800-279-5490  
OUTSIDE THE U.S., CONTACT YOUR LOCAL DISTRIBUTOR.