



MP Biomedicals, LLC

29525 Fountain Parkway  
Solon, Ohio 44139

Telephone: 440/337-1200  
Toll Free: 800/854-0530  
Fax: 440/337-1180  
mailto: [biotech@mpbio.com](mailto:biotech@mpbio.com)  
web: <http://www.mpbio.com>

## TECHNICAL INFORMATION

cappel

**GOAT AFFINITY PURIFIED ANTIBODY TO  
HUMAN IGG (WHOLE MOLECULE) - 2MG**  
Catalog #: 55070  
Lot #: 07113

Total Protein: 1.06 mg/ml  
Active Antibody: 1.0 mg/ml

### DESCRIPTION:

Product is goat affinity purified antibody to human IgG (whole molecule) and buffer salts. The affinity purified antibody is prepared from the specific goat IgG fraction by solid phase absorption. The resulting affinity purified antibody 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, and vialled. No preservative has been added.

### USES:

This product is suitable for use as a precipitating antibody. It gives sharp precipitin lines in immunoelectrophoresis and immunodiffusion techniques.

This product is suitable for conjugation with enzymes, radiolabels, fluorochromes or other markers, and for attachment to solid supports for use as an immunoabsorbant.

This product is suitable for use as a primary reagent in enzyme immunoassays, fluorescein immunoassays and blot, cell or tissue immunostaining. These affinity purified antibodies are recommended to avoid non-specific binding from the inherent antibodies of host animals. (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.)

### SUGGESTED WORKING DILUTIONS:

1:50 - 1:200 for Tissue Staining  
1:100 - 1:500 for Immunoblotting  
1:400 - 2,000 for Elisa

**It is recommended that each lab obtain their own optimal working dilution for each assay**

### SPECIFICATIONS:

The total protein is measured by absorbance (A<sub>280nm</sub>). Antibody titer is standardized by equivalence-point precipitation. Each affinity purified antibody is tested for purity at 10 mg/ml using immunoelectrophoresis. The product is goat IgG; no trace of albumin is detected. It shows reactivity to human 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.

### EXPIRATION DATE:

3/31/2018

### STORAGE:

Store unopened product at 2-8°C. Store opened material no longer than 1-2 days at 2-8°C unless preservative is added. For long term storage, aliquot and store with 40% glycerol (v/v) at -20°C.

### WARNING AND CAUTION:

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

### RELATED PRODUCT ORDERING INFORMATION:

Catalog #	Description	Size
55087	GOAT ANTI-HUMAN IGG (WHOLE MOLECULE)	2ML
55007	IGG GOAT ANTI-HUMAN IGG (WHOLE MOLECULE)	5ML
55049	F(AB') <sub>2</sub> GOAT ANTI-HUMAN IGG (WHOLE MOLECULE)	2ML
55075	AFF.PUR. F(AB') <sub>2</sub> GOAT ANTI-HUMAN IGG (WM)	2MG
55259	AFF.PUR. GOAT ANTI-HUMAN IGG (WM) AFF. GEL	2ML
55908	PURIFIED HUMAN IGG	50MG
55067	FAB GOAT ANTI-HUMAN IGG (WHOLE MOLECULE)	5ML

**For fluorochrome, enzyme and biotin conjugates, and antisera to human IgG subclasses, please see our catalog.**

**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.**