



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

Catalog Number: 57001

### **Peroxidase-Conjugated Goat Affinity Purified Antibody To Guinea Pig IgG (Whole Molecule)**

**DESCRIPTION:** Product is horseradish peroxidase (HRP)-conjugated goat affinity purified antibody to guinea pig IgG (whole molecule) and buffer salts.

Antibody and highly purified HRP ( $R_z > 3.0$ ) are conjugated under defined conditions to obtain optimally labeled product. Conjugated protein is purified by salt fractionation. 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  $\mu$ m filter, and vialled.

**USES:** This product is suitable for use as a reagent in enzyme immunoassays (EIA), cell and tissue staining (for light microscopy), cell and tissue labeling (for electron microscopy), and blot immunostaining. Use of affinity purified antibodies is recommended to avoid non-specific binding from the inherent antibodies of host animals. (Note:  $F(ab')_2$  fragments are recommended for staining of cells or tissues which contain Fc receptors. See **Related Product Ordering Information** for these products.)

#### **SUGGESTED WORKING DILUTIONS:**

1:200 - 1:800 for Tissue Staining  
1:500 - 1:2,000 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 a standard. To ensure that the product titer falls within the required range, antibody titer is standardized by microtiter plate ELISA with guinea pig IgG. The product is tested for purity and specificity at final concentration by immunoelectrophoresis. The antibody is goat IgG; no trace of albumin is detected. It shows reactivity to guinea pig 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.

#### **RELATED PRODUCT ORDERING INFORMATION:**

<u>Catalog #</u>	<u>Description</u>	<u>Size</u>
55367	GOAT ANTI-GUINEA PIG IGG (WHOLE MOLECULE)	2ML
55375	IGG GOAT ANTI-GUINEA PIG IGG (WHOLE MOLECULE)	5ML
55382	FITC GOAT ANTI-GUINEA PIG IGG (WHOLE MOLECULE)	2ML
55387	FITC F(AB') <sub>2</sub> GOAT ANTI-GUINEA PIG IGG (WM)	2ML
55389	RHO GOAT ANTI-GUINEA PIG IGG (WHOLE MOLECULE)	2ML
55391	HRP GOAT ANTI-GUINEA PIG IGG (WHOLE MOLECULE)	2ML
57000	FITC AFF.PUR. GOAT ANTI-GUINEA PIG IGG (WM)	2MG
55931	PURIFIED GUINEA PIG IGG	20MG
36315	DAB	6x1ML
36317	OPD	6x1ML
36318	TMB	6x1ML
36319	ABTS	6x1ML
55984	NORMAL GOAT SERUM	2ML

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**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.](#)