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## TECHNICAL INFORMATION

Catalog Number: 55563

### Peroxidase-Conjugated Goat Affinity Purified Antibody To Mouse IgG (Whole Molecule)

**DESCRIPTION:** Product is horseradish peroxidase (HRP)-conjugated goat affinity purified antibody to mouse 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.)

**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 mouse 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 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.

### RELATED PRODUCT ORDERING INFORMATION:

Catalog #DescriptionSize

55477 FAB GOAT ANTI-MOUSE IGG (WHOLE MOLECULE)5ML  
55479 AFF.PUR. GOAT ANTI-MOUSE IGG (WHOLE MOLECULE)2MG  
55487 AFF.PUR. F(AB')<sub>2</sub> GOAT ANTI-MOUSE IGG (WM)2MG  
59296 AKP AFFINITY PURIFIED GOAT ANTI-MOUSE IGG (WM)1ML  
59303 AKP AFF.PUR. F(AB')<sub>2</sub> GOAT ANTI-MOUSE IGG (WM)1ML  
55550 HRP GOAT ANTI-MOUSE IGG (WHOLE MOLECULE)2ML  
55559 HRP F(AB')<sub>2</sub> GOAT ANTI-MOUSE IGG (WHOLE MOLECULE)2ML  
55572 HRP AFF.PUR. F(AB')<sub>2</sub> GOAT ANTI-MOUSE IGG (WM)2ML  
55939 PURIFIED MOUSE IGG20MG  
36315 DAB6x1ML  
36317 OPD6x1ML  
36318 TMB6x1ML  
36319 ABTS\6x1ML  
55984 NORMAL GOAT SERUM2ML

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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.](#)