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Product Specifications

Product: Peroxidase-conjugated AffiniPure Goat Anti-Rat IgG (H+L)

Code Number: 112-035-003

Lot Number: 103599

Physical State: Freeze-dried powder

Size: 2.0 ml

Antibody Concentration: 0.8 mg/ml

Suggested Dilution Range: 1:500 - 1:5,000 for immunohisto/cytochemistry
1:5,000 - 1:100,000 for ELISA and Western blotting with chromogenic substrates
1:10,000 - 1:200,000 for Western blotting with ECL substrates

Peroxidase: Purified from horseradish root

Buffer: 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6

Stabilizer: 15 mg/ml Bovine Serum Albumin (IgG-Free, Protease-Free)

Preservative: None (**Warning: Use of sodium azide as a preservative will substantially inhibit the enzyme activity of horseradish peroxidase.**)

Reconstitution and Storage: Store freeze-dried powder at 2-8°C. When ready to use, rehydrate with 2.0 ml dH₂O and centrifuge if not clear. Product is stable for about 6 weeks at 2-8°C as an undiluted liquid. Prepare working dilution fresh each day. For extended storage after rehydration, aliquot and freeze at -70°C or below. Avoid repeated freezing and thawing. Alternatively, add an equal volume of glycerol (ACS grade or better) for a final concentration of 50%, and store at -20°C as a liquid. Note: adding glycerol reduces the stated protein concentration and dilution range by one-half. **Expiration date:** one year from date of rehydration. The expiration date may be extended if test results are acceptable for the intended use.

Warning: Confirm that glycerol is ACS grade or better before adding to this product. Lower grades of glycerol may seriously inhibit peroxidase enzyme activity.

Purity: The antibody was purified from antisera by immunoaffinity chromatography using antigens coupled to agarose beads.

Antibody Specificity: Based on immunoelectrophoresis and/or ELISA, the antibody reacts with whole molecule rat IgG. It also reacts with the light chains of other rat immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins. The antibody may cross-react with immunoglobulins from other species.

Country of Origin: USA

Note: For *in vitro* research use only, not for diagnostic or therapeutic use. This product is not a medical device.