

## **PRODUCT SPECIFICATIONS**

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

**Code Number:** 112-035-003

**Lot Number:** 68698

**Physical State:** Freeze-dried powder

**Size:** 2.0 ml

**Antibody Concentration:** 0.8 mg/ml

**Suggested Dilution Range:** 1:500 - 1:5,000 for immunohistochemistry on tissue sections  
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

**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.**)

Note: Due to tightened regulations in many countries and states, thimerosal, a mercury-containing preservative, will no longer be included in our products. Please follow our recommendation for storage to avoid microbial contamination.

**Reconstitution and Storage:** Store freeze-dried product at 2-8°C until reconstitution. When ready to use, reconstitute with 2.0 ml d. water. Centrifuge product if the solution is not clear after reconstitution. To judge clarity, draw product into a clean pasteur pipette. Storing the product for more than one day at final working dilutions is not recommended. For extended storage as a liquid, add an equal volume of glycerol (ACS or better grade) for a final concentration of 50% followed by storage at -20°C. Please note that the concentration of protein and buffer salts will be one-half of the original after the addition of glycerol. Alternatively, the product may be aliquoted and frozen at -70°C or below, in the absence of glycerol. It is important to avoid repeated freezing and thawing. **Expiration date:** one year from date of reconstitution.

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

**Antibody Specificity:** Based on immunoelectrophoresis, the antibody reacts with the heavy chains on rat IgG and with the light chains common to most rat immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins, but 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.