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Product Specifications

Product: Peroxidase-conjugated AffiniPure Goat Anti-Chicken IgY^{††}(IgG) (H+L) (minimal cross-reaction to Bovine, Goat, Guinea Pig, Syrian Hamster, Horse, Human, Mouse, Rabbit, Rat, and Sheep Serum Proteins)

Code Number: 103-035-155

Lot Number: 94777

Physical State: Freeze-dried powder

Size: 0.5 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 0.5 ml d. water 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, 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: after the addition of glycerol, the concentration of protein and buffer salts is one-half of the original. Alternatively, aliquot and freeze the product at -70°C or below in the absence of glycerol. Avoid repeated freezing and thawing.

Expiration date: one year from date of rehydration. However, the expiration date may be extended if product is stored according to the recommendation and the test results are acceptable for its intended use.

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 chicken IgY. It also reacts with the light chains of other chicken immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins. The antibody has been tested by ELISA and/or solid-phase adsorbed to ensure minimal cross-reaction with bovine, goat, guinea pig, Syrian hamster, horse, human, mouse, rabbit, rat, and sheep serum proteins, but it 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.

^{††}IgY is the original designation for the IgG-like protein found in both serum and egg yolk.