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Product Specifications

Product: Peroxidase-conjugated Streptavidin

Code Number: 016-030-084

Lot Number: 119041

Physical State: Freeze-dried powder

Size: 1.0 mg

Streptavidin Concentration: 1.0 mg/ml

Suggested Final Working Concentration: 0.01 - 0.1 µg/ml for Western blotting with ECL substrates
1 - 2 µg/ml for ELISA, immunohisto/cytochemistry, and Western blotting with chromogenic 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 1.0 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.

Country of Origin: USA

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