



872 W. Baltimore Pike, West Grove, PA 19390  
800-367-5296, 610-869-4024, FAX:610-869-0171  
[cuserv@jacksonimmuno.com](mailto:cuserv@jacksonimmuno.com), [www.jacksonimmuno.com](http://www.jacksonimmuno.com)  
[www.jireurope.com](http://www.jireurope.com)

## 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 dH<sub>2</sub>O 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.