



## NorthernLights™ Streptavidin NL493

### ORDERING INFORMATION

**Catalog Number:** NL997

**Lot Number:** LZS05

**Size:** 0.5 mL

**Antibody Concentration:** 1 mg/mL

**Formulation:** Phosphate-buffered saline (PBS)  
containing < 0.1% v/v sodium azide

**Storage:** 2° - 8° C in the dark

### Product Description

Streptavidin NL493 is produced as the fluorochrome NL493 derivative of streptavidin\*. The spectral characteristics of NL493 are provided in Table 1. For comparison, the spectral characteristics of Fluorescein (FITC) and Alexa Fluor® 488 are also included.

**Table 1.**

| Fluorochrome      | Absorption Maximum (nm) | Emission Maximum (nm) |
|-------------------|-------------------------|-----------------------|
| NL493             | 493                     | 514                   |
| Fluorescein, FITC | 492                     | 520                   |
| Alexa Fluor 488   | 495                     | 519                   |

### Intended Use

For use as a secondary developing reagent in immunofluorescence assays including immunohistochemistry, immunocytochemistry, flow cytometry, and other fluorescent immunoassays with biotinylated primary antibodies.

### Reagent Preparation

Centrifuge the antibody solution in a microfuge before use. For most applications, a dilution of 1:3000 is recommended. **Optimal dilutions should be determined by each laboratory for each application.**

### Storage

Store the reagent at 2° - 8° C **in the dark. Do not freeze.** Under these conditions, the product is stable for at least 6 months from the date of receipt.

### Precaution

Contains sodium azide as a preservative. Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large volumes of water during disposal. Dispose of azide containing liquids with caution and according to local regulations.

*\*Additional fluorochrome-labeled streptavidin with different spectral characteristics are also available (see Table 2).*

**Table 2.**

| Catalog Number | Product Description | Absorption Maximum (nm) | Emission Maximum (nm) |
|----------------|---------------------|-------------------------|-----------------------|
| NL998          | Streptavidin NL637  | 637                     | 658                   |
| NL999          | Streptavidin NL557  | 557                     | 574                   |

**For a complete list of NorthernLights products, please visit [www.RnDSystems.com](http://www.RnDSystems.com).**

For research use only. Not for use in human diagnostic, human therapeutic, or human *in vivo* applications.

**R&D Systems, Inc.**  
**1-800-343-7475**