



## NorthernLights™ Streptavidin NL557

### ORDERING INFORMATION

**Catalog Number:** NL999

**Lot Number:** LZT05

**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 NL557 is produced as the fluorochrome NL557 derivative of streptavidin\*. The spectral characteristics of NL557 are provided in Table 1. For comparison, the spectral characteristics of Phycoerythrin and Rhodamine Red™-X (RRX) are also included.

**Table 1.**

| Fluorochrome  | Absorption Maximum (nm) | Emission Maximum (nm) |
|---------------|-------------------------|-----------------------|
| NL557         | 557                     | 574                   |
| Phycoerythrin | 565                     | 575                   |
| RRX           | 570                     | 590                   |

### 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 1:10,000 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) |
|----------------|---------------------|-------------------------|-----------------------|
| NL997          | Streptavidin NL493  | 493                     | 514                   |
| NL998          | Streptavidin NL637  | 637                     | 658                   |

**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**