



NorthernLights™ Streptavidin NL637

ORDERING INFORMATION

Catalog Number: NL998

Lot Number: LZ104

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 NL637 is produced as the fluorochrome NL637 derivative of streptavidin*. The spectral characteristics of NL637 are provided in Table 1. For comparison, the spectral characteristics of Allophycocyanin, Alexa Fluor® 647, and Indodicarbocyanine (Cy™ 5) are also included.

Table 1.

Fluorochrome	Absorption Maximum (nm)	Emission Maximum (nm)
NL637	637	658
Allophycocyanin	645	660
Alexa Fluor 647	650	668
Cy5	650	670

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)
NL997	Streptavidin NL493	493	514
NL999	Streptavidin NL557	557	574

For a complete list of NorthernLights products, please visit www.RnDSystems.com.

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1-800-343-7475

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Alexa Fluor is a registered trademark of Invitrogen, Inc.

Cy is a trademark of GE Healthcare.

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