

NorthernLights™ Anti-sheep IgG-NL493

ORDERING INFORMATION

Catalog Number: NL012

Lot Number: AAFP08

Size: 0.5 mL

Antibody Concentration: 1 mg/mL

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

Specificity: Sheep IgG

Host: Donkey

Storage: 2° - 8° C in the dark

Product Description

This donkey anti-sheep IgG (H+L) antibody was purified by sheep IgG (H+L) affinity chromatography and absorbed against human IgG, and human, mouse, bovine and rabbit serum to eliminate cross-reactivity. The purified antibody is then conjugated to fluorochrome NL493*. 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 |
| 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 unlabeled primary antibodies of sheep origin.

Reagent Preparation

Centrifuge the antibody solution in a microfuge before use. For most applications, a dilution of 1:200 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 donkey anti-sheep IgG antibodies with different spectral characteristics are also available (see Table 2).*

Table 2.

| Catalog Number | Product Description | Absorption Maximum (nm) | Emission Maximum (nm) |
|----------------|----------------------|-------------------------|-----------------------|
| NL010 | Anti-sheep IgG-NL557 | 557 | 574 |
| NL011 | Anti-sheep IgG-NL637 | 637 | 658 |

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

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

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