

## NorthernLights™ Anti-rat IgG-NL637

### ORDERING INFORMATION

**Catalog Number:** NL014

**Lot Number:** AAFS04

**Size:** 0.5 mL

**Antibody Concentration:** 1 mg/mL

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

**Specificity:** Rat IgG

**Host:** Goat

**Storage:** 2° - 8° C in the dark

### Product Description

This goat anti-rat IgG (H+L) antibody was purified by rat IgG (H+L) affinity chromatography and absorbed against mouse serum to eliminate cross-reactivity. The purified antibody is then conjugated to fluorochrome NL637\*. 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 unlabeled primary antibodies of rat 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 goat anti-rat IgG antibodies with different spectral characteristics are also available (see Table 2).*

**Table 2.**

Catalog Number	Product Description	Absorption Maximum (nm)	Emission Maximum (nm)
NL013	Anti-rat IgG-NL557	557	574
NL015	Anti-rat IgG-NL493	493	514

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