

## NorthernLights™ Anti-mouse IgM-NL557

### ORDERING INFORMATION

**Catalog Number:** NL019

**Lot Number:** ABOS04

**Size:** 0.5 mL

**Antibody Concentration:** 1 mg/mL

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

**Specificity:** Mouse IgM (H+L)

**Host:** Goat

**Storage:** 2° - 8° C in the dark

### Product Description

This polyclonal antibody preparation has been derived from goats immunized with mouse IgM (heavy and light chains). The goat IgG is first purified by affinity chromatography and then absorbed to eliminate human cross reactivity. The IgG fraction is digested with pepsin to generate F(ab')<sub>2</sub> fragments which have a reduced ability to interact with Fc receptors expressed on a variety of cells. The purified antibody is then conjugated to fluorochrome NL557\*. 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 unlabeled primary antibodies of mouse IgM 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-mouse IgM antibodies with different spectral characteristics are also available (see Table 2).*

**Table 2.**

| Catalog Number | Product Description  | Absorption Maximum (nm) | Emission Maximum (nm) |
|----------------|----------------------|-------------------------|-----------------------|
| NL020          | Anti-mouse IgM-NL493 | 493                     | 514                   |

**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.

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