

**DESCRIPTION**

<b>Species Reactivity</b>	Rat
<b>Specificity</b>	Rat IgG (H+L)
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Rat IgG heavy and light chains
<b>Formulation</b>	Supplied in a saline solution containing BSA and Sodium Azide.

\*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

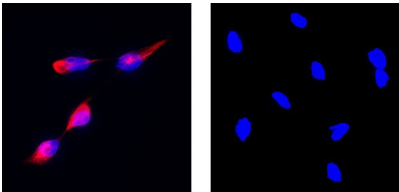
**APPLICATIONS**

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

<b>Flow Cytometry</b>	Use at a 1:200 dilution
<b>Immunocytochemistry</b>	Use at a 1:200 dilution
<b>Immunohistochemistry</b>	Use at a 1:200 dilution

**DATA**

**Immunocytochemistry**



**Detection of Rat IgG Primary Antibody by Immunocytochemistry.**  
Detection of human Vimentin by incubating cells with 8 µg/mL of Rat anti-Human Vimentin monoclonal antibody (MAB2105) at room temperature for 1 hour followed by incubation with 1:200 dilution of Donkey Anti-Rat IgG NorthernLights™ NL557-conjugated secondary antibody for 1 hour at room temperature. Note strong positive staining in A172 cells (left panel, positive control) and a lack of non-specific background staining in the absence of primary antibodies (right panel, negative control).

**PREPARATION AND STORAGE**

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

**BACKGROUND**

R&D Systems offers a range of secondary antibodies and controls for flow cytometry, immunohistochemistry, and Western blotting. We provide species-specific secondary antibodies that are available with a variety of conjugated labels. Our NorthernLights fluorescent secondary antibodies are bright and resistant to photobleaching. We are currently offering secondary antibodies recognizing mouse, rat, goat, sheep, and rabbit IgG as well as chicken IgY. These reagents are available with three distinct excitation and emission maxima, making them ideal for multi-color fluorescence microscopy.