

# Neuron-specific $\beta$ -III Tubulin NorthernLights™ NL557-conjugated Antibody

Monoclonal Mouse IgG<sub>2A</sub> Clone # TuJ-1

Catalog Number: NL1195R

## DESCRIPTION

<b>Specificity</b>	Detects mammalian and chicken neuron-specific $\beta$ -III tubulin but not other $\beta$ -tubulin isotypes in Western blots.
<b>Source</b>	Monoclonal Mouse IgG <sub>2A</sub> Clone # TuJ-1
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Rat brain-derived microtubules
<b>Conjugate</b>	NL557 Excitation Wavelength: 557 nm Emission Wavelength: 574 nm
<b>Formulation</b>	Supplied as a 10X solution of antibody in PBS containing sodium azide. See Certificate of Analysis for details.  *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.

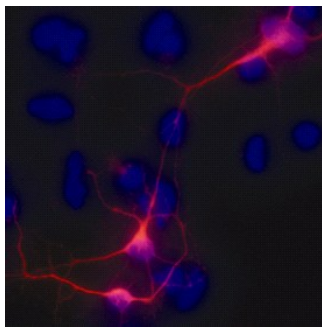
## APPLICATIONS

**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>Recommended Concentration</b>	<b>Sample</b>
<b>Immunocytochemistry</b>	1:10 dilution	See Below

## DATA

### Immunocytochemistry



**$\beta$ -III Tubulin in Rat Cortical Stem Cells.**  
 $\beta$ -III Tubulin was detected in immersion fixed 7 day differentiated rat cortical stem cells using a 1:10 dilution of Neuron-specific  $\beta$ -III Tubulin (Clone TuJ-1) NorthernLights™-557 Conjugated Monoclonal Antibody (Catalog # NL1195R) for 3 hours at room temperature. Cells were stained (red) and counterstained with DAPI (blue). View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).

## 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. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

## BACKGROUND

$\beta$ -III Tubulin, also known as tubulin  $\beta$ -4, is regarded as a neuron-specific marker. The expression of  $\beta$ -III Tubulin has been suggested to be one of the earliest markers to signal commitment in primitive neuroepithelium.