

Neuron-specific β -III Tubulin NorthernLights™ NL557-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # TuJ-1

Catalog Number: NL1195R

DESCRIPTION

Specificity	Detects mammalian and chicken neuron-specific β -III tubulin but not other β -tubulin isotypes in Western blots.
Source	Monoclonal Mouse IgG _{2A} Clone # TuJ-1
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Rat brain-derived microtubules
Conjugate	NL557 Excitation Wavelength: 557 nm Emission Wavelength: 574 nm
Formulation	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.

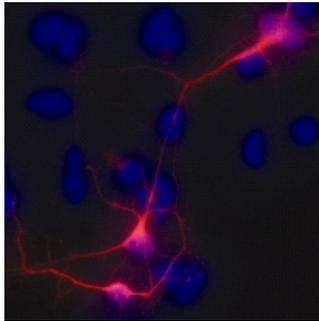
APPLICATIONS

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.

	Recommended Concentration	Sample
Immunocytochemistry	1:10 dilution	See Below

DATA

Immunocytochemistry



β -III Tubulin in Rat Cortical Stem Cells.
 β -III Tubulin was detected in immersion fixed 7 day differentiated rat cortical stem cells using a 1:10 dilution of Neuron-specific β -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

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

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